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United States  
Department of  
Agriculture

Soil  
Conservation  
Service

Salt Lake City  
Utah



# WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department  
of Natural Resources



MAY 1, 1985

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

# **WATER SUPPLY OUTLOOK FOR UTAH**

**and  
FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS**

**Issued by**

**PETER C. MYERS  
CHIEF  
SOIL CONSERVATION SERVICE  
WASHINGTON, D.C.**

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**Released by**

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SALT LAKE CITY, UTAH**

**In Cooperation with**

<b>UTAH STATE DEPARTMENT OF NATURAL RESOURCES</b>	
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<b>State Engineer</b>	<b>Director</b>
<b>Division of Water Rights</b>	<b>Division of Water Resources</b>

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**Report prepared by Snow Survey Staff**

**BOB L. WHALEY, Supervisor**

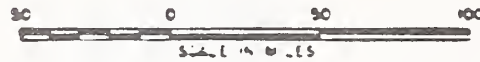
**Soil Conservation Service  
125 So. State, Fed. Bldg.  
P.O. Box 11350  
Salt Lake City, Utah 84147**

# PROSPECTIVE WATER SUPPLIES

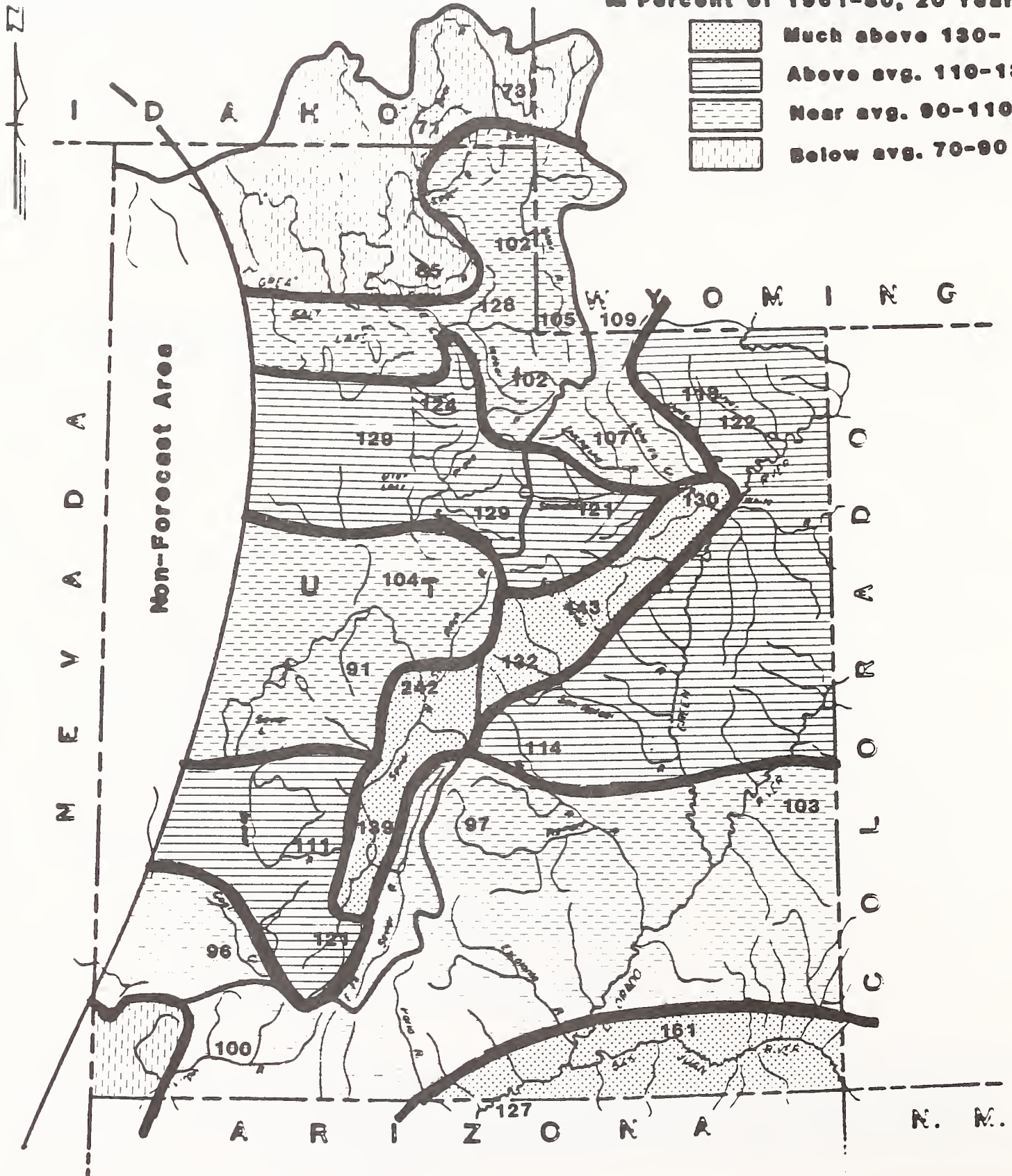
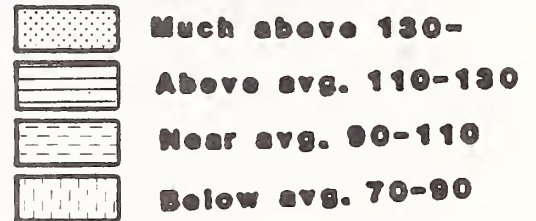
Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

May 1, 1985

Approximate Date



FORECAST STREAM FLOW  
in Percent of 1961-80, 20 Year Avg.



The President's 1986 budget request to Congress calls for termination of the Snow Survey and Water Supply Forecast activity within the U. S. Soil Conservation Service for fiscal policy reasons. If the President's budget request is enacted by Congress the Snow Survey Program will be eliminated by the end of fiscal year 1986. This action would conclude over 50 years of federally coordinated snow survey effort in the Western U. S..

### As of May 1, 1985

\* \* \* \* \*

\* Utah's 1985 Water Supply Outlook ranges from below \*  
\* average to much above average. Snow cover varies from \*  
\* about 0% on the Enterprise-New Harmony drainages to \*  
\* 118% of average on the Escalante River drainage. \*  
\* Mountain precipitation during April varied widely \*  
\* ranging from 33% to 229% of average. Soil moisture is \*  
\* above average. Reservoir storage is 129% of average \*  
\* and streamflow forecasts range from more than 30% below \*  
\* average to almost 3 1/2 times average. \*  
\* \* \* \* \*

### SNOW COVER

Snow measurements for the May 1 survey showed decreases as a percent of average during April of up to 66% as a result of warmer than normal temperatures and early melt as well as below normal precipitation in most areas. Two exceptions were on the Escalante and Beaver River drainages where percentages increased by 5 and 18 percent respectively.

Basin snow course percentages are as follows: Bear 71%, Ogden 75%, Weber 84%, Jordan River-Salt Lake 78%, Utah Lake 64%, Duchesne River 74%, Price River 57%, San Rafael River 78%, Fremont River 56%, Escalante River 118%, Upper Sevier River 88%, Lower Sevier River 81%, Beaver River 115%, Virgin River 72%, and Blue Mountains 95% of the May 1 average for the 1961-1980 twenty year period.

### PRECIPITATION

Precipitation at mountain stations was generally less than average during April in the area of Utah north of Richfield while sites south of Richfield received amounts from near normal to over two times normal.

## **SOIL MOISTURE**

Watershed soils are wetter than average again this year except on the east end of the Uinta's and in the southeast corner of the state which are near average. Lower elevation soils will be drying out earlier than normal this year following the early snowmelt.

## **RESERVOIR STORAGE**

Storage in 25 of Utah's key irrigation reservoirs is now 129% of the May 1, average and 97% of capacity.

The Great Salt Lake is now at 4209.90 feet above sea level which is only 1.70 feet below the historical maximum of 4211.60 feet. The Lake is expected to peak at 4210.25 feet about June 1.

Utah Lake is expected to peak by mid-May this year at about one and one-half feet lower than the levels of the last two years.

## **STREAMFLOW FORECASTS**

Streamflow forecasts for the May-July period as a percent of average have generally dropped from the levels forecast last month for the April-July period as a result of an exceptionally early melt and less than average precipitation in many areas. Forecasts now range from 68% of average for the Santa Clara River near Pine Valley to 395% for the Sigurd to Gunnison reach of the Sevier.

Individual forecasts are as follows: Bear near Utah-Wyoming line 105%, Logan 95%, South Fork Ogden 80%, Weber at Oakley 102%, at Gateway 110%, Parley's Creek 116%, Provo near Hailstone 93%, Utah Lake Inflow 151%, Strawberry Inflow 127%, Duchesne at Duchesne 105%, at Tabiona 104%, at Randlett 136%, Lakefork 101%, Ashley Creek 114% and Black's Fork 109% of the May-July average.

The Price River is forecast 106% for Scofield Inflow and 143% at Heiner. Huntington Creek is forecast 136%, Cottonwood 132%, Ferron 129%, Muddy 114%, Seven Mile Creek 97% and Mill Creek near Moab 103%.

The Sevier River is forecast 121% at Hatch, 154% at Kingston, 242% at Gunnison, Clear Creek 123%, Salina Creek 131%, Chicken Creek 104% and Chalk Creek near Fillmore 106% of the May-July average.

The Beaver River is forecast 111% at Beaver and 136% for Minersville Inflow. Coal Creek is forecast 96% and the Virgin near Hurricane 100% of average.

Water users are expected to have adequate water supplies this season with few exceptions. Runoff peaks have not and should not cause the problems that have been encountered the last two seasons but rising levels on the Great Salt Lake are a continuing concern.

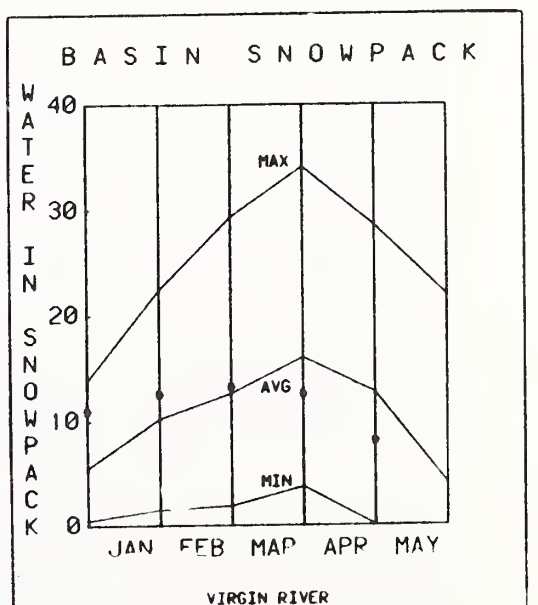
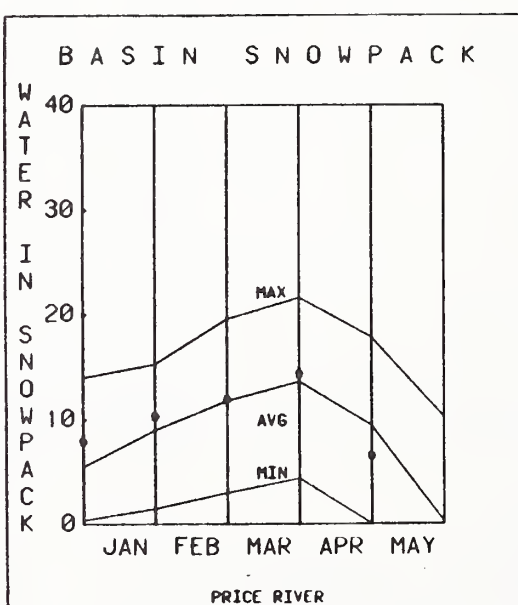
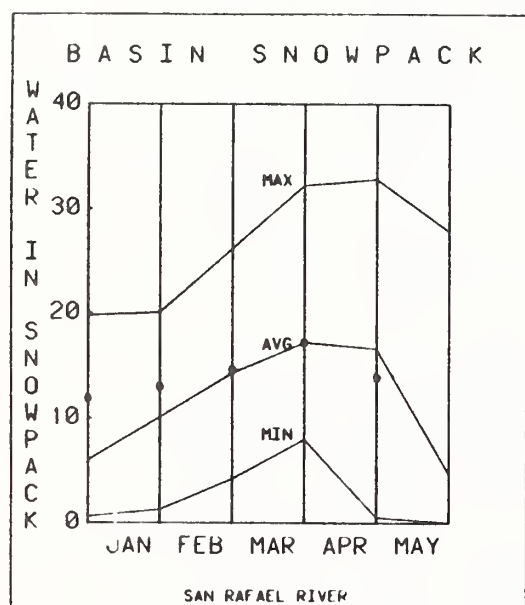
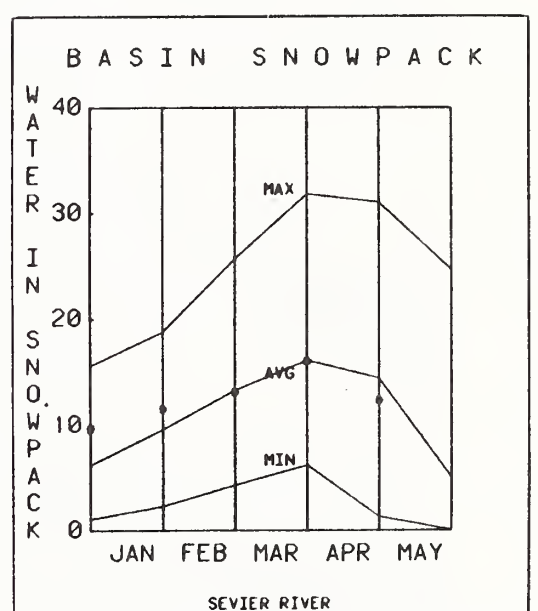
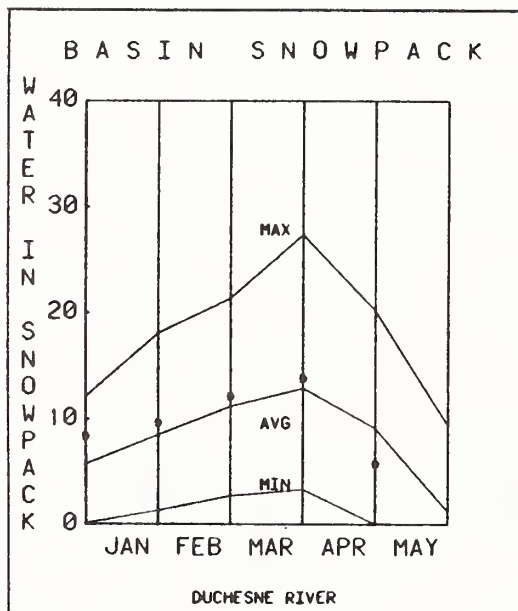
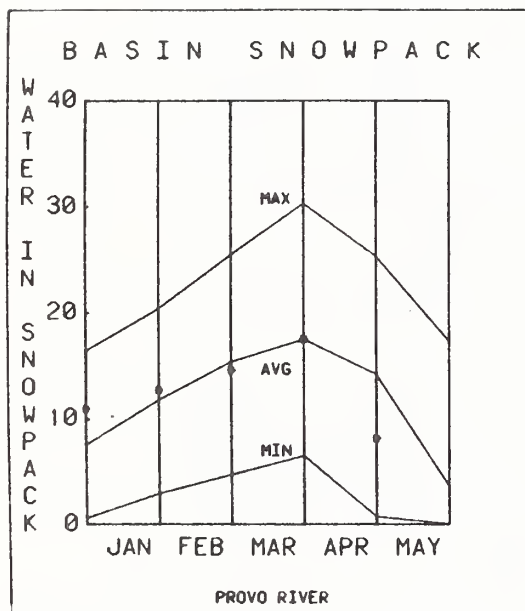
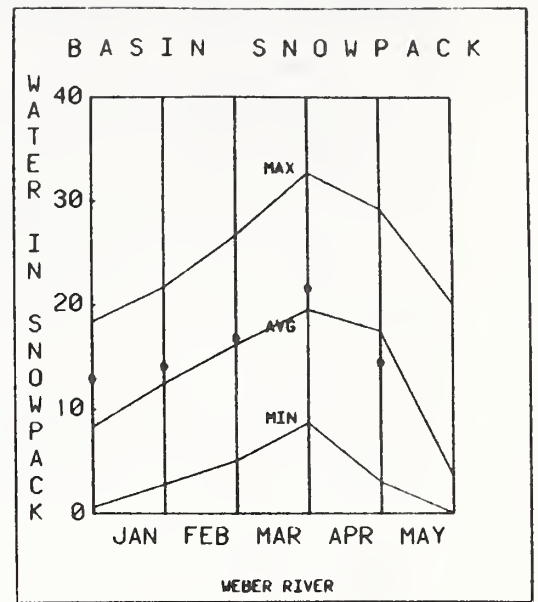
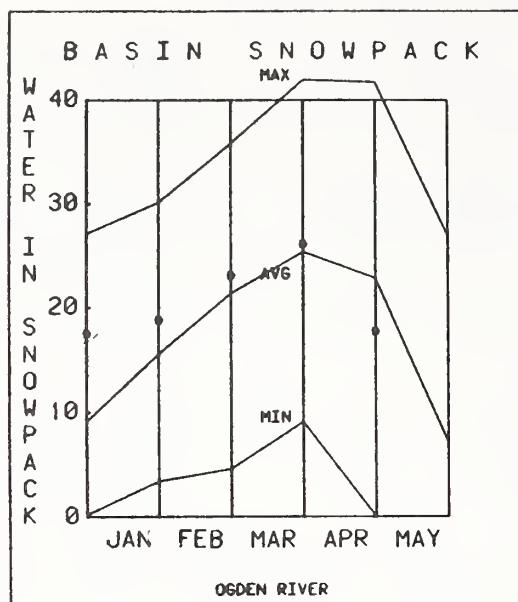
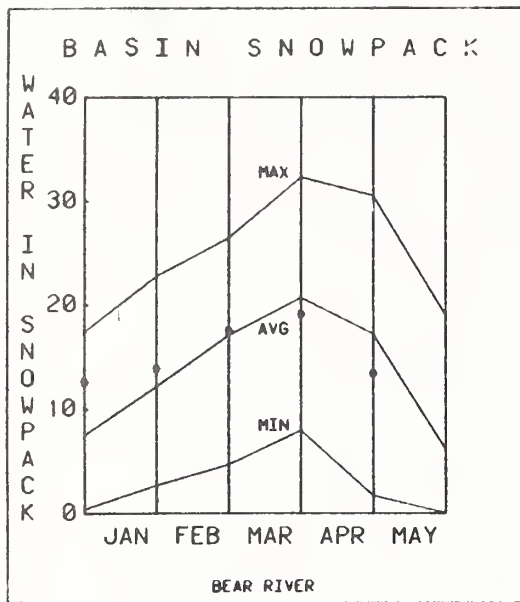
## RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1131.4	1111.2	1054.1
	Woodruff Narrows	55.8	55.8	35.0 <sup>a</sup>	--
	Woodruff Creek	3.5	3.5	3.5	--
<u>Beaver River</u>	Minersville (RkyFd)	26.0	26.0	21.1	14.6
<u>Little Bear</u>	Hyrum	15.3	11.9	10.9	13.2
	Porcupine	11.3	11.9	8.1	9.5 <sup>b</sup>
<u>Ogden</u>	Causey	6.9	1.1	0.8	2.6 <sup>b</sup>
	Pineview	110.1	96.6	53.8	76.6
<u>Provo</u>	Deer Creek	149.7	143.1	121.2	106.9
<u>Settlement Creek</u>	Settlement Creek	1.0	0.7	--	--
	Vernon Creek	0.6	0.6	0.6	0.6 <sup>b</sup>
<u>Sevier River</u>	Gunnison	18.2	18.2	13.8	14.9 <sup>b</sup>
	Otter Creek	52.5	52.7	48.9	39.5
	Piute	71.8	71.8	58.6	44.7
	Sevier Bridge	236.0	225.4	212.1	136.0
	Panguitch Lake	22.3	22.3	21.7	--
<u>Utah Lake</u>	Utah Lake	883.9	1224.2	1287.9	766.8
<u>Weber</u>	East Canyon	48.1	37.0	27.9	41.5 <sup>b</sup>
	Echo	73.9	57.4	31.1	54.2
	Lost Creek	20.0	14.4	7.7	14.3 <sup>b</sup>
	Rockport	60.9	44.0	25.7	36.8
	Willard Bay	193.3	155.0	135.8	168.0
COLORADO R. BASIN					
<u>Ashley Creek</u>	Steinaker	33.3	30.6	25.7	23.0 <sup>b</sup>
	Red Fleet	26.0	23.9	18.0	--
<u>Colorado</u>	Blue Mesa	829.5	350.0	220.7	--
	Lake Powell	25002.0	22599.0	21067.0	--
<u>Green</u>	Flaming Gorge	3749.0	3108.7	3067.4	--
<u>Lakefork</u>	Moon Lake	35.8	30.8	30.0	18.1
<u>Price River</u>	Scofield	65.8	56.4	28.0	36.6
<u>San Juan</u>	Navajo	1696.0	1500.0	1370.0	--
	Ken's Lake	2.3	2.3	1.2	--
<u>San Rafael</u>	Huntington North	3.9	3.0	3.6	3.9 <sup>b</sup>
	Joe's Valley	54.6	48.1	25.5	46.8 <sup>b</sup>
	Mill Site	16.7	16.7	14.6	6.3 <sup>b</sup>
<u>Strawberry</u>	Starvation	165.3	154.4	128.2	113.5 <sup>b</sup>
	Strawberry (enlarged)	951.4	479.5	--	--
<u>Uintah</u>	Bottle Hollow	11.3	11.3	11.3	10.6 <sup>b</sup>
	Currant Creek	15.5	11.9	4.9	--

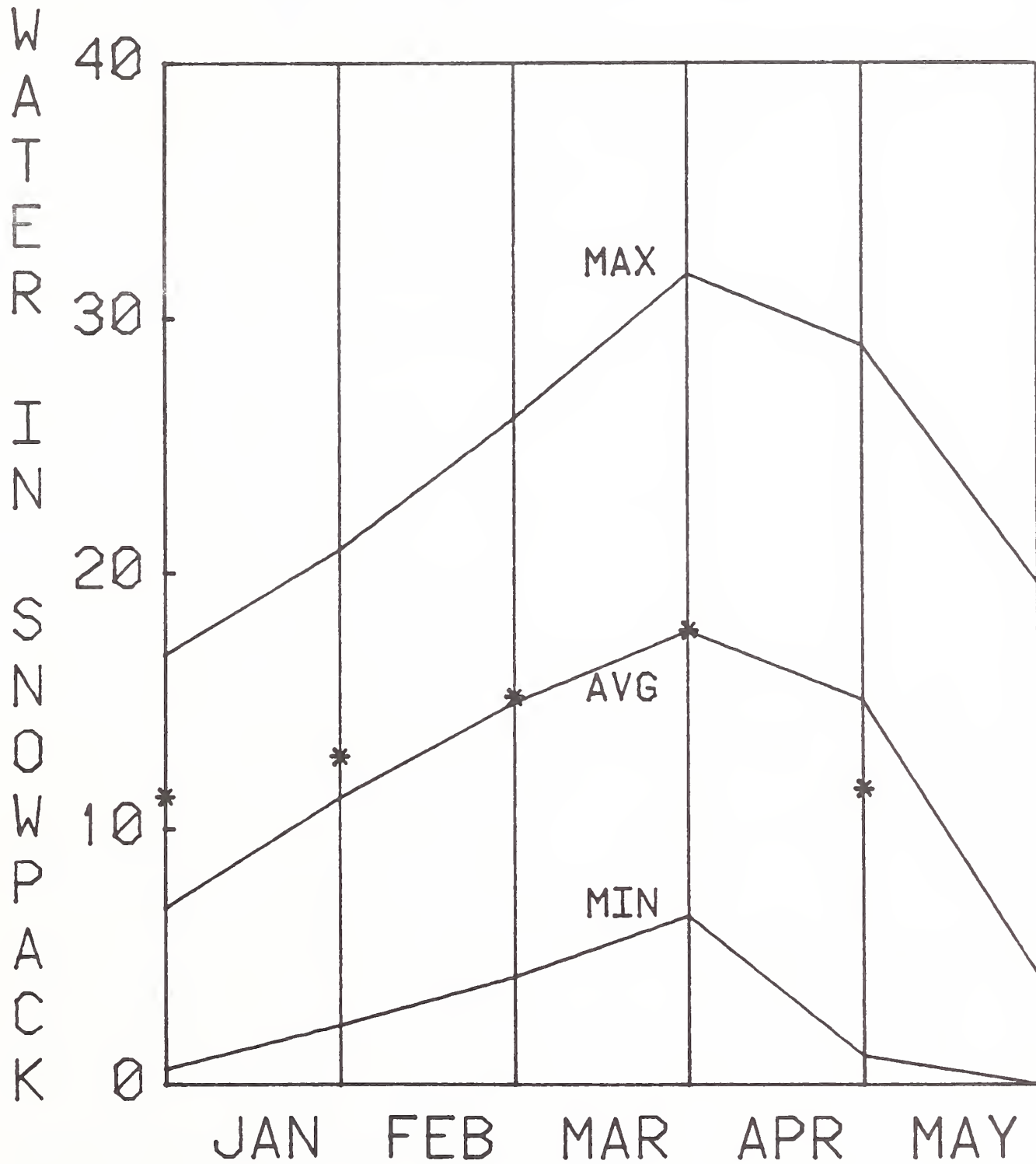
a - Partly estimated

b - Average of past record in average period - less than 20 years

+ - 1961-80 20 year average period



# BASIN SNOWPACK



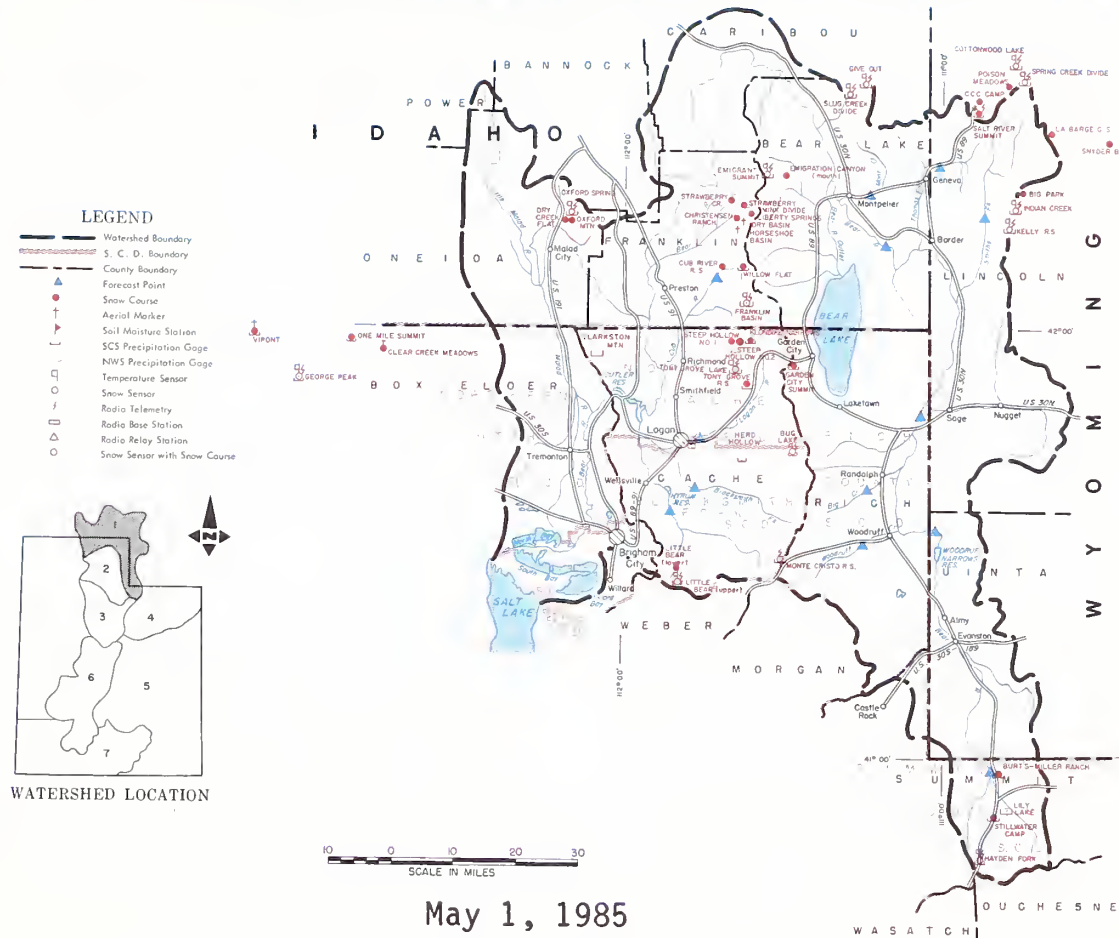
UTAH STATE WIDE



# WATER SUPPLY OUTLOOK

## BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



### THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE TO NEAR AVERAGE

SNOW COVER now ranges from 66% of the May 1 average on the Upper Bear to 85% on the Logan River after a warmer than normal April. Snowmelt commenced about three or four weeks earlier than normal this year as evidenced by this months survey which found many of the lower snow courses with little or no snow.

PRECIPITATION at mountain stations ranged from 61% of the April average at Stillwater Camp to 138% at Burts-Miller Ranch.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is greater than average for all but Hyrum which has been held down but is now filling.

STREAMFLOW FORECASTS as a percent of average for the May-July period have decreased from the April-July forecasts due to high streamflows in April caused by early melt. Forecasts now range from 71% for Cub River to 127% for Big Creek. The Bear is forecast 105% near the Utah-Wyoming stateline, 102% near Woodruff, 105% near Randolph, and 73% at Harer. Woodruff Creek is forecast 90%, Logan River 95%, Blacksmith Fork 97%, and Little Bear 77%. Thomas Fork is forecast 74% and Smith's Fork 78% of the April-September average.

Some late season shortages may occur on Thomas Fork, Smith's Fork, the Bear below Harer, the Little Bear, and Cub River if below average precipitation should occur during the remainder of the runoff season.

# BEAR RIVER BASIN IN UTAH

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST <del>X</del>			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average <sup>+</sup>		Last Year <sup>3</sup>	Average <sup>+</sup>
BEAR RIVER					
Bear nr UT-Wyo. State Line	110	105	May-July	157	105
Bear nr Woodruff 1/	118	102	May-July	237	116
Woodruff Crk nr Woodruff, UT	13.5	90	May-July	27	15.1 <sup>b</sup>
Big Creek nr Randolph, UT	5.6	127	May-July	--	4.4 <sup>a</sup>
Bear nr Randolph 1/	86	105	May-July	230	82
Thomas Fork nr ID-WY State Ln	26	74	Apr-Sept	--	35
Smith's Fork nr Border, WY	93	78	Apr-Sept	--	119
Bear at Harer, Idaho 1/	227	73	Apr-Sept	578	310
Logan nr Logan 1/	96	95	May-July	192	101
Blacksmith Fork nr Hyrum	37	97	May-July	104	38
Little Bear nr Paradise	20	77	May-June	72	26
Cub River nr Preston, ID	34	71	May-July	--	48

## SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average <sup>+</sup>
BEAR RIVER	24	54	71
UPPER BEAR RIVER	11	60	66
LOWER BEAR RIVER	13	50	75
LOGAN RIVER	7	64	85
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 20 years e - Maximum mean daily peak flow + - 1961-80 20 year Average Period * - Forecast in cooperation with National Weather Service			

## RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average <sup>+</sup>
BEAR RIVER	Bear Lake	1421.0	1131.4	1111.2	1054.1
	Woodruff Narrows	55.8	55.8	35.0 <sup>a</sup>	--
	Woodruff Creek	3.5	3.5	3.5	--
LITTLE BEAR	Hyrum	15.3	11.9	10.9	13.2
	Porcupine	11.3	11.9	8.1	9.5 <sup>b</sup>

## PEAK FLOWS <sup>e</sup>

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range <sup>+</sup>	Average <sup>+</sup>
Bear nr. Ut.-Wyo. Stateline	1250-1995	1506
Woodruff Creek nr Woodruff	170-315	253
Big Creek nr Randolph	55-95	48 <sup>b</sup>
Logan River nr Logan	620-1205	980
Little Bear nr Paradise	275-600	519

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average <sup>+</sup>
Burts-Miller Ranch	4/26	2	0.4	4.2	2.4
Cub River R.S.	4/25	0	0.0	5.1	0.1
Emigrant Summit	4/25	32	15.3	33.4	23.6
Franklin Basin	4/25	52	23.0	33.6	20.7 <sup>a</sup>
Garden City Summit	4/25	35	13.8	20.8	17.4
Hayden Fork	4/26	30	10.7	18.2	16.2
Klondike Narrows	4/25	26	11.2	23.0	15.6

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average <sup>+</sup>
Little Bear Lower	4/24	0	0.0	1.9	1.5
Little Bear Upper	4/24	0	0.0	14.5	5.4
Monte Cristo	4/25	51	20.1	29.8	26.8
Salt River Summit	4/29	15	5.2	15.8	14.5
Stillwater Camp	4/26	9	2.6	10.6	8.4
Tony Grove R.S.	4/25	4	1.6	11.3	3.1

UNITED STATES DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE  
 Federal Bldg. - Room 4012  
 Salt Lake City, Utah 84138

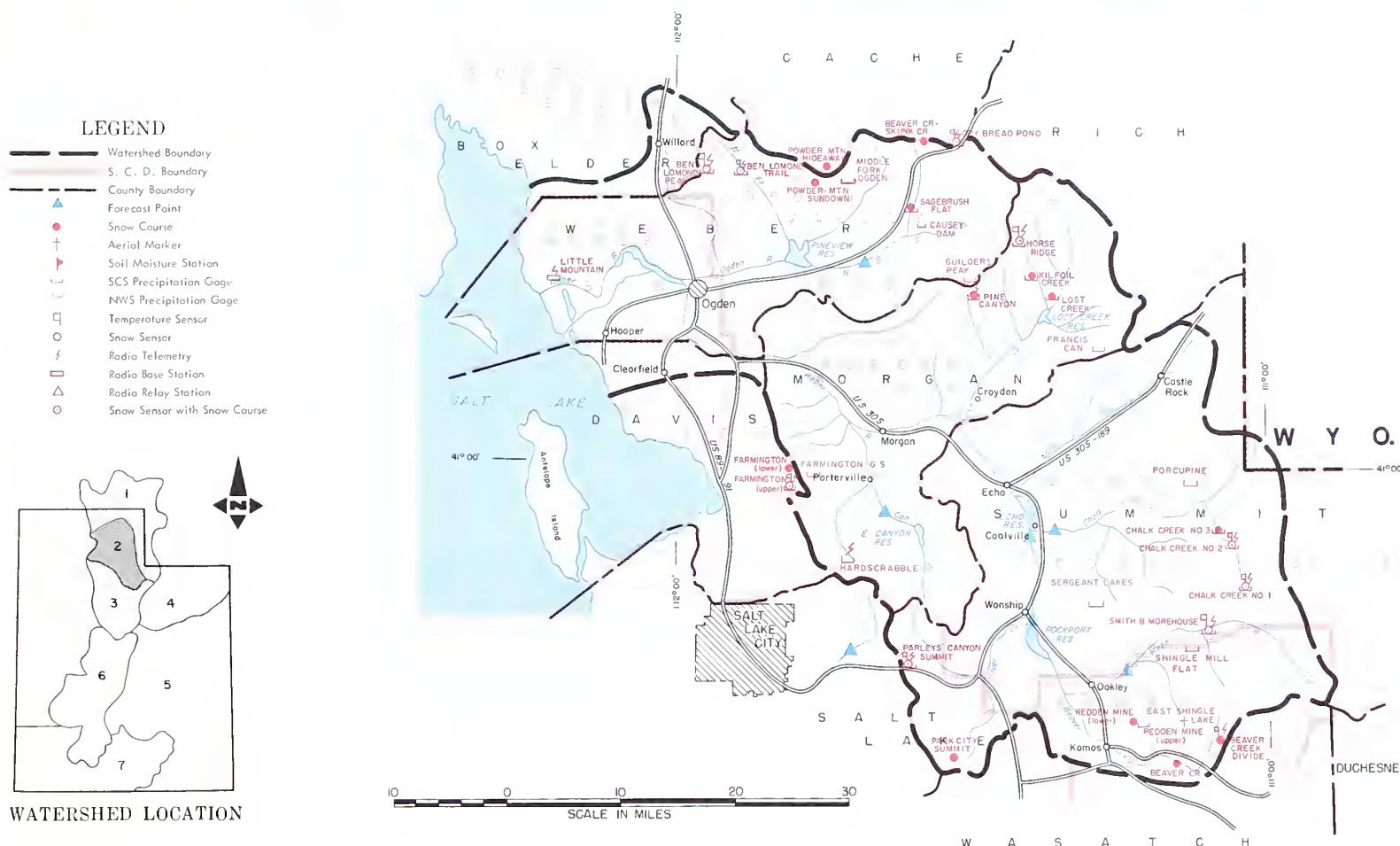
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# WATER SUPPLY OUTLOOK

## WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



### THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER on the Weber and Ogden River drainages is now less than average as a result of less than average precipitation in April and an exceptionally early melt. The Ogden is at 75% and the Weber is at 84% of the May 1 average.

PRECIPITATION at mountain stations was generally less than the April average ranging from 37% at Farmington Lower to 102% for Sagebrush Flat.

SOIL MOISTURE is well above average.

RESERVOIR STORAGE is generally below average but more than last year at this time.

STREAMFLOW FORECASTS for the May-June period as a result of less than average April precipitation and the higher volumes of April flow produced by the early melt are now generally near average ranging from 80% for the South Fork of the Ogden to 135% for East Canyon Creek.

The Weber is forecast 102% at Oakley, 101% for Rockport Inflow, 103% at Coalville, 101% for Echo Inflow and 110% at Gateway. Pineview Inflow is forecast at 85%, Chalk Creek 100%, Lost Creek 128%, Hardscrabble 118% and Farmington Creek 102%.

All reservoirs are expected to fill and all water users are expected to have adequate supplies.

# WEBER-OGDEN WATERSHEDS IN UTAH

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST * Thousand Acre Feet	Percent of Average +		THOUSAND ACRE FEET Last Year 3	Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	95	102	May-June	146	93
Rockport Reservoir Inflow 1/	97	101	May-June	168	96
Chalk Creek at Coalville	29	100	May-June	67	29
Weber nr Coalville 1/	101	103	May-June	173	98
Lost Creek nr Croydon, UT 1/	14.3	128	May-June	30	11.2 <sup>a</sup>
East Canyon Creek nr Morgan 1/	22	135	May-June	45	16.3
Hardscrabble Crk nr Porterville	16.6	118	May-June	--	14.1 <sup>a</sup>
S. Fork Ogden nr Huntsville 1/	33	80	May-June	90	41 <sup>a</sup>
Pineview Reservoir Inflow 1/	63	85	May-June	239	74 <sup>a</sup>
Echo Reservoir Inflow 2/	121	101	May-June	197	120
Weber at Gateway 1/	247	110	May-June	506	224
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	6.9	103	May-July	--	6.7 <sup>b</sup>

## SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average †
OGDEN RIVER	5	45	75
WEBER RIVER	13	58	84

1 - Observed flow corrected for change in storage and diversions  
 2 - Inflow record as computed by U. S. Bureau of Reclamation  
 3 - Provisional flows - Subject to Correction  
 a - Partly estimated  
 b - Average of all past record - less than 20 years  
 e - Maximum mean daily peak flow  
 + - 1961-80 20 year Average Period  
 \* - Forecast in cooperation with National Weather Service

## RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
OGDEN	Causey	6.9	1.1	0.8	2.6 <sup>b</sup>
	Pineview	110.1	96.6	53.8	76.6
WEBER	East Canyon	48.1	37.0	27.9	41.5 <sup>b</sup>
	Echo	73.9	57.4	31.1	54.2
	Lost Creek	20.0	14.4	7.7	14.3 <sup>b</sup>
	Rockport	60.9	44.0	25.7	36.8
	Willard Bay	193.3	155.0	135.8	168.0 <sup>b</sup>

## PEAK FLOWS<sup>e</sup>

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range *	Average †
South Fork Ogden nr Huntsville	535-1005	763
Chalk Creek nr Coalville	565-810	510
Weber nr Oakley	1130-2055	1540

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
Beaver Creek R.S.	4/26	0	0.0	5.2	1.7
Beaver Creek-Skunk Creek	4/25	1	0.4	11.5	6.1
Ben Lomond Peak	4/25	68	31.1	70.7	38.2
Ben Lomond Trail	4/25	19	7.9	24.5	8.1 <sup>a</sup>
Chalk Creek #1	4/26	55	23.9	29.0	24.4
Chalk Creek #2	4/26	28	10.8	17.9	14.2
Chalk Creek #3	4/26	1	0.2	6.3	2.9
Dry Bread Pond	4/25	30	12.0	25.1	18.2
Farmington Upper	4/25	72	30.3	44.9	32.9

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
Horse Ridge	4/25	34	14.9	26.7	20.7 <sup>b</sup>
Lost Creek Reservoir	4/25	0	0.0	0.0	0.0 <sup>b</sup>
Monte Cristo	4/25	51	20.1	29.8	26.8
Parleys Canyon Summit	4/29	26	10.7	26.6	13.8
Sagebrush Flat	4/25	0	0.0	0.0	0.0
Smith & Morehouse	4/26	12	4.4	14.1	9.1
Trial Lake	4/26	54	23.2	31.7 <sup>a</sup>	26.1

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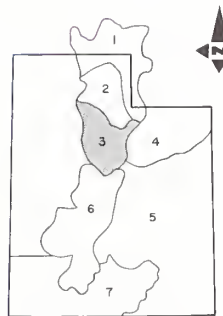
# WATER SUPPLY OUTLOOK

## UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

**LEGEND**

- Watershed Boundary
- S. C. D. Boundary
- - - County Boundary
- Forecast Point
- ▲ Snow Course
- ▲ Aerial Marker
- ▲ Soil Moisture Station
- ▲ SCS Precipitation Gage
- ▲ NWS Precipitation Gage
- ▲ Temperature Sensor
- ▲ Snow Sensor
- ▲ Radio Telemetry
- ▲ Radio Base Station
- ▲ Radio Relay Station
- ▲ Snow Sensor with Snow Course



WATERSHED LOCATION

10 0 10 20 30  
SCALE IN MILES

MAY 1, 1985

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

**SNOW COVER** following a drier and warmer than normal April now ranges from 55% of the May 1 average for the Tooele Valley and Vernon Creek watersheds to 78% for the Jordan River watersheds from Little Cottonwood to Parley's Creek. The Provo River is at 62% and the whole Utah Lake drainag is at 64%.

**PRECIPITATION** at mountain stations ranged from 43% of the April average at Rocky Basin-Settlement to 95% at Daniels-Strawberry Summit.

**SOIL MOISTURE** is above average.

**RESERVOIR STORAGE** is above average. The new Strawberry Reservoir, formed by the merging of the old Strawberry Reservoir and Soldier Creek Reservoir, is now past the half way point in filling. Utah Lake is 3.42 feet above compromise and Great Salt Lake is 4,209.90 feet above sea level.

**STREAMFLOW FORECASTS** for the May-July forecast period have decreased compared to April-July forecasts because of the heavy April runoff caused by early snowmelt and because of less than average April precipitation. Forecasts now range from 90% for City Creek to 151% for Utah Lake Inflow. The Provo is forecast 93% at Hailstone and 98% below Deer Creek Dam. Other streams flowing into Utah Lake range from 91% to 129%. The six creeks along the Salt Lake Front range from 90% to 124% and Tooele Valley streams range from 112% to 129%. Many streams have already peaked but problems could still occur on Big and Little Cottonwood and around Utah Lake and Great Salt Lake. Property owners with property near these channels or lake shores should take continued precautions to secure their property. All water users should have adequate water supplies this season.

# UTAH LAKE, JORDAN RIVER AND TOOEE VALLEY WATERSHEDS IN UTAH

## STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST <del>X</del>		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average <del>+</del>		Last Year	Average <del>+</del>
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	87	93	May-July	161	94
Provo below Deer Creek Dam 1/	95	98	May-July	--	96
American Fork nr American Fork	32	113	May-July	50	28
Hobble Creek nr Springville	15.5	117	May-July	--	13.3
Strawberry Reservoir Inflow 1/	55	127	May-July	81	43
Spanish Fork at Thistle	40	129	May-July	--	28
Payson Creek nr Payson	4.0	91	May-July	--	4.4
Utah Lake Inflow	250	151	May-July	--	166
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	36	100	May-July	58	36
Big Cottonwood nr SLC	41	124	May-July	54	33
Parley's Creek nr SLC	13.0	116	May-July	31	11.3
Mill Creek nr SLC	6.3	124	May-July	13	5.0
Emigration Creek nr SLC	2.3	92	May-July	8.5	2.5
City Creek nr SLC	6.0	90	May-July	16.1	6.6
TOOELE VALLEY					
Settlement Crk nr Tooele	2.7	129	May-July	--	2.1 <sup>b</sup>
S. Willow Crk nr Grantsville	3.4	126	May-July	5.9	2.7 <sup>b</sup>
Vernon Creek nr Vernon	0.6	112	May-June	2.2	0.5 <sup>b</sup>

## SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UTAH LAKE	9	38	64
PROVO RIVER	4	43	62
JORDAN RIVER & SALT LAKE	6	57	78
TOOELE VALLEY & VERNON CREEK	5	24	55

1 - Observed flow corrected for change in storage and diversions  
3 - Provisional flows - subject to correction  
a - Partly estimated  
b - Average of past record - less than 20 years  
+ - 1961-80 20 year average period  
e - Maximum mean daily peak flow  
\* - Forecast in cooperation with National Weather Service

## RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
SPANISH FORK	Strawberry (Enlarged)	951.4	479.5	--	--
UTAH LAKE	Utah Lake	883.9	1224.2	1287.9	766.8
	Settlement Creek	1.0	0.7	--	--
	Vernon Creek	0.6	0.6	0.6	0.6 <sup>b</sup>
PROVO	Deer Creek	149.7	143.1	121.2	106.9

## PEAK FLOWS<sup>e</sup>

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Big Cottonwood nr Salt Lake City	400-600	442
Little Cottonwood nr Salt Lake City	400-500	384
Provo Near Hailstone	1250-1900	2128
Spanish Fork nr Thistle	550-850	451 <sup>b</sup>
American Fork nr American Fork	250-450	329
Mill Creek nr Salt Lake City	65-100	59
Parley's Creek nr Salt Lake City	180-280	153
City Creek nr Salt Lake City	65-120	75
Emigration	40-65	--

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
NAME					
Bevans Cabin	4/30	7	3.3	26.9	4.8
Clear Creek #1	4/27	36	14.5	27.1	17.7
Clear Creek #2	4/27	17	7.8	18.6	10.5
Clear Creek #3	4/27	0	0.0	0.9	0.1
Daniels-Strawberry Summit	4/27	13	6.0	16.5	9.6
Deseret Peak	4/30	32	12.7	43.3	27.0 <sup>a</sup>
Hobble Creek Summit	4/27	4	1.7	18.3	7.9
Lambs Canyon #2	4/29	10	4.3	21.9	9.8 <sup>a</sup>
Middle Canyon	4/30	4	1.7	29.7	9.3
Mill Creek	4/30	42	17.5	28.1	21.1 <sup>a</sup>

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
NAME					
Mill D South Fork	4/30	17	7.2	25.5	15.1
Parley's Canyon Summit	4/29	26	10.7	26.6	13.8
Payson R.S.	4/24	23	9.9	31.4	15.5
Rocky Basin-Settlement Canyon	4/30	54	23.4	55.8	30.0
Silver Lake Brighton	4/30	42	22.2	32.9	28.3
Soapstone R.S.	4/26	4	1.4	12.9	7.1
Timpanogos Divide	5/1	--	7.1 <sup>a</sup>	22.1 <sup>a</sup>	22.6
Trial Lake	4/26	54	23.2	31.7 <sup>a</sup>	26.1
Vernon Creek	4/29	0	0.0	17.6 <sup>a</sup>	4.3 <sup>a</sup>



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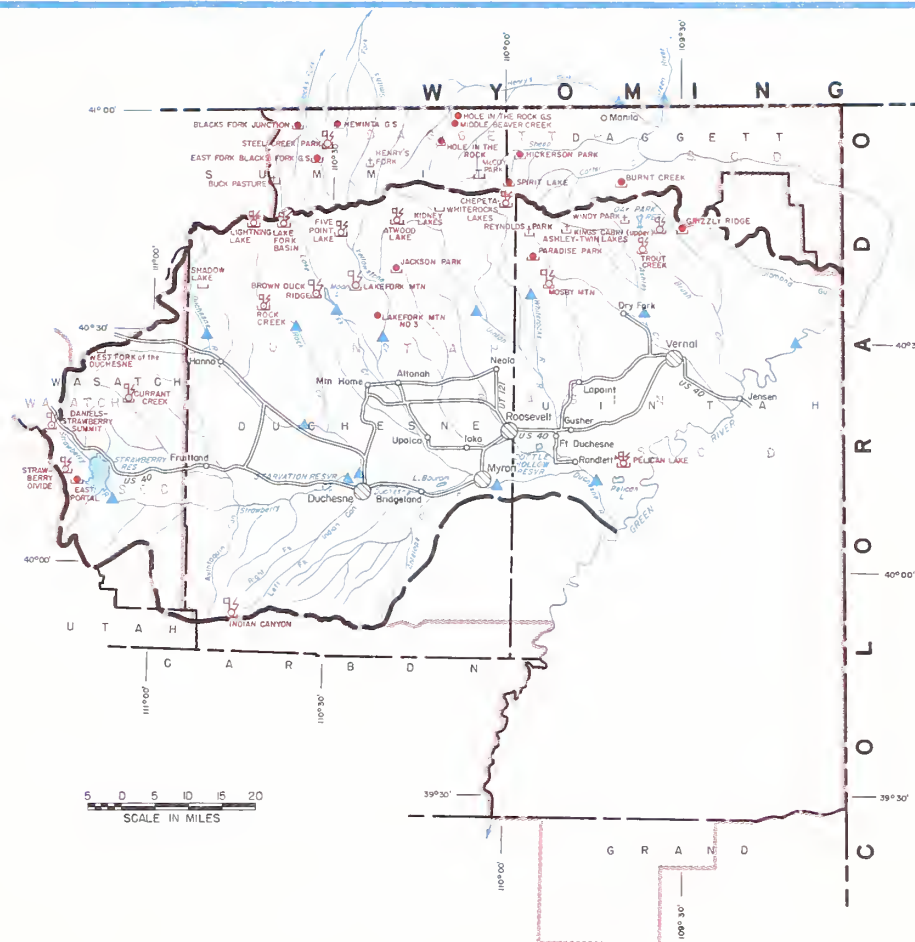
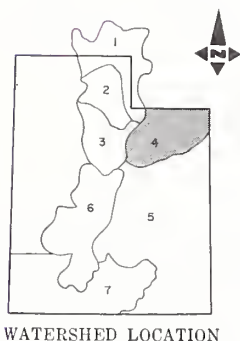
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# UINTAH BASIN and DAGGETT SCD's in UTAH

### LEGEND

-  Watershed Boundary
-  S. C. D. Boundary
-  County Boundary
-  Forecast Point
-  Snow Course
-  Aerial Marker
-  Soil Moisture Station
-  SCS Precipitation Gage
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-  Radio Telemetry
-  Radio Base Station
-  Radio Relay Station
-  Snow Sensor with Snow Course



May 1, 1985

## THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER as a percent of average dropped from 16 to 50% during April as a result of below normal precipitation and higher than normal temperatures producing early melt. The Duchesne now stands at 74%, Strawberry River 61%, Ashley Creek 50%, Black's Fork 73%, and Sheep Creek 64% of the May 1 average.

PRECIPITATION at mountain stations during April with few exceptions was well below normal with a range from 33% at Paradise Park to 104% at Rock Creek Ranch.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average for all reservoirs with averages. The new Strawberry Reservoir, formed by the merging of the old Strawberry Reservoir and Soldier Creek Reservoir, is now past the half way point in filling.

STREAMFLOW FORECASTS range from 76% of the may-July average for Flaming Gorge Inflow to 140% of the May-September average for Henry's Fork. The Duchesne is forecast 104% near Tabiona, 105% at Duchesne, 130% at Myton, 136% at Randlett, and the West Fork is forecast at 110%. The Strawberry River is forecast 121% at Duchesne, Currant Creek 111%, Rock Creek 107%, Lakefork 101%, Yellowstone 106%, Whiterocks 118% and Uinta 120%. Black's Fork is forecast 109% and Ashley Creek 122%.

Peak flows are forecast near average and all users are expected to have an adequate water supply this season.

UINTAH BASIN AND DAGGETT SCD's IN UTAH

**STREAMFLOW FORECASTS**

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST <sup>+</sup>		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average <sup>+</sup>		Last Year <sup>3</sup>	Average <sup>+</sup>
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	100	104	May-July	134	96
Duchesne at Duchesne 1/	185	105	May-July	248	175
Strawberry at Duchesne	58	121	May-July	141	48
Rock Creek nr Mtn. Home	94	107	May-July	112	88
Currant Creek nr Fruitland	18.5	111	May-July	47	16.6
Lakefork below Moon Lake 1/	68	101	May-July	77	67
Yellowstone nr Altonah	65	106	May-July	64	61
Duchesne at Myton 1/	242	130	May-July	314	186
Whiterocks nr Whiterock	66	118	May-July	56	56
Uintah nr Neola	97	120	May-July	--	81
Duchesne at Randlett 1/	314	136	May-July	389	231
West Fork Duchesne at Hanna	27	110	May-July	--	24
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork nr Manila	60	140	May-Sept	85	43
Black's Fork nr Millburne	95	109	May-July	121	87
Flaming Gorge Inflow 1/	820	76	May-July	--	1080
Ashley Creek nr Vernal	60	122	May-July	61	49

**SUMMARY of SNOW MEASUREMENTS** (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average <sup>+</sup>
DUCHESNE RIVER - TOTAL	12	60	74
LAKEFORK-YELLOWSTONE CREEKS	4	78	85
STRAWBERRY RIVER	5	37	61
UINTAH - WHITEROCKS RIVERS	3	77	77
ASHLEY CREEK	3	40	50
BLACK'S FORK	3	56	73
SHEEP CREEK	3	42	64
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 20 years e - Maximum mean daily peak flow + - 1961-80 20 year Average Period * - Forecast in cooperation with National Weather Service			

**RESERVOIR STORAGE (Thousand Acre Feet)**

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average <sup>+</sup>
ASHLEY CREEK	Red Fleet	26.0	23.9	18.0	--
	Steinaker	33.3	30.6	25.7	23.0 <sup>b</sup>
GREEN RIVER	Flaming Gorge	3749.0	3108.7	3067.4	--
LAKE FORK	Moon Lake	35.8	30.8	30.0	18.1
STRAWBERRY	Currant Creek	15.5	11.9	4.9	--
	Starvation	165.3	154.4	128.2	113.5 <sup>b</sup>
	Strawberry (Enlg)	951.4	479.5	--	--
UINTAH	Bottle Hollow	11.3	11.3	11.3	10.6 <sup>b</sup>

**PEAK FLOWS<sup>e</sup>**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range <sup>+</sup>	Average <sup>+</sup>
Strawberry at Duchesne	465-885	675
Ashley Creek nr Vernal	750-1250	966
Rock Creek nr. Mtn. Home	1245-1730	1415

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE	NAME	THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
					Last Year	Average <sup>+</sup>
Brown Duck Ridge		4/26	64	21.9	24.6	20.6 <sup>a</sup>
Burnt Creek		4/25	2	0.4	5.4	2.6 <sup>a</sup>
Currant Creek		4/27	0	0.0	4.5	2.5 <sup>b</sup>
Daniels-Strawberry		4/27	13	6.0	16.5	9.6
Grizzly Ridge		4/25	19	5.8	11.8	9.3 <sup>a</sup>
Hewinta G. S.		4/26	25	7.1	13.6	10.1
Hickerson Park		4/26	29	3.8	13.3	6.1 <sup>b</sup>
Jackson Park		4/26	30	10.2	14.8	15.9 <sup>a</sup>
Kings Cabin Upper		4/26	6	1.6	12.2	10.2

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE	NAME	THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
					Last Year	Average <sup>+</sup>
Lakefork Mountain		4/26	29	9.3	12.6	12.1
Mosby Mountain		4/26	25	8.5	9.9	10.5
Paradise Park		4/26	30	11.4	14.3	14.8
Rock Creek Ranch		4/26	0	0.0	0.0	1.3 <sup>b</sup>
Spirit Lake		4/26	51	11.4	18.2	15.6 <sup>b</sup>
Steel Creek Park		4/26	58	16.6	22.5	18.5 <sup>b</sup>
Strawberry Divide		5/1	27	12.2	23.9	12.8 <sup>a</sup>
Trout Creek		4/26	22	7.0	12.1	9.5 <sup>a</sup>

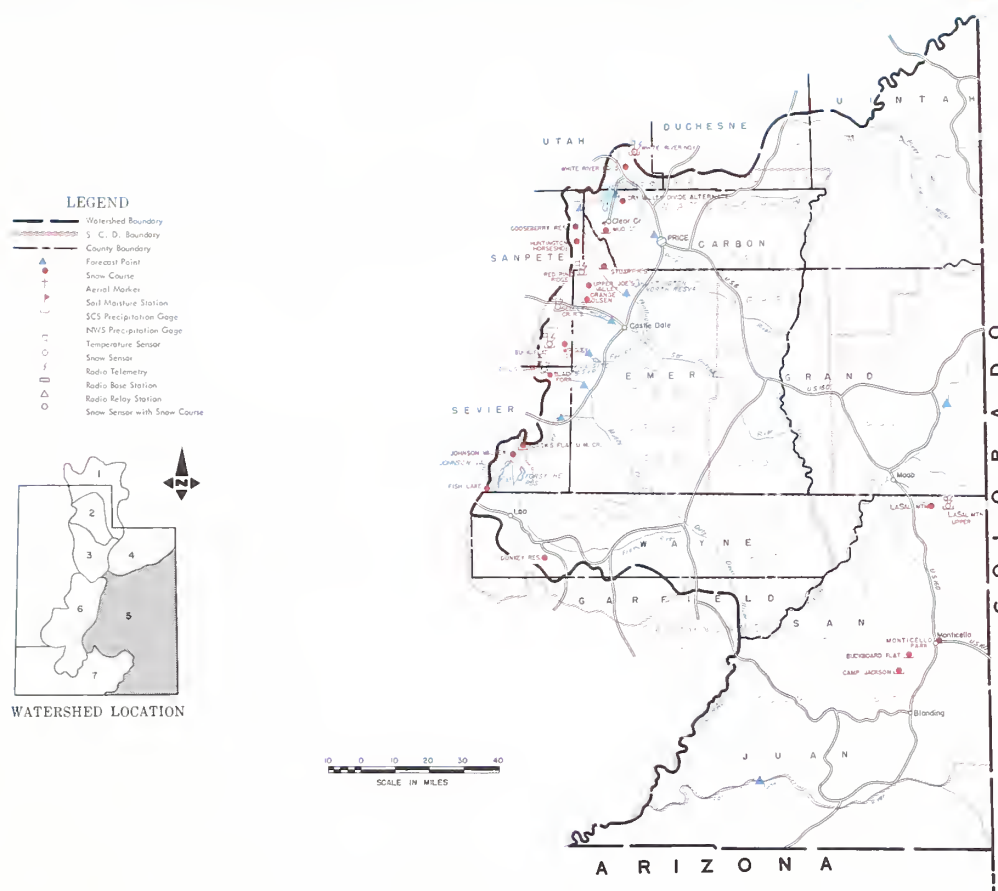
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# WATER SUPPLY OUTLOOK

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



### THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER as a percent of average showed decreases ranging from 8 to 58% during April as a result of an exceptionally early melt. Measurements of May 1 snowpack show the Price at 57%, San Rafael at 78%, Fremont at 56%, Lasal Mountains at 61%, Blue Mountains at 95%, and Muddy River at 39% of average.

PRECIPITATION at mountain stations during April was quite variable ranging from 87% at Mud Creek on the Price River to 229% at Lasal Mtn. Upper. Most sites on the Price, San Rafael, Muddy, and Fremont were near normal. The Blues and Lasals, however, caught over two times normal precipitation for the month.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average on all reservoirs but Huntington North.

STREAMFLOW FORECASTS now range from 90% of the May-July average for the Green River at Green River to 166% for Navajo Reservoir Inflow on the San Juan River. The Price River is forecast 143% at Heiner, Gooseberry Creek 125%, and Scofield Inflow 106%. The tributaries to the San Rafael are forecast as follows: Huntington Creek 136%, Cottonwood Creek 132%, and Ferron Creek 129%. The Dirty Devil Tributaries are forecast 114% for Muddy Creek and 97% for Seven Mile Creek near Fish Lake. Mill Creek near Moab is forecast 103%. The Colorado near Cisco is forecast 141% and the San Juan near Bluff 161% of the May-July average. All water users are expected to have adequate water supplies this season.

## CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST * Thousand Acres Feet	Percent of Average †		THOUSAND ACRE FEET Last Year ‡	Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	12.5	125	May-July	--	10.0
Scofield Reservoir Inflow	40	106	May-July	--	33
Price nr Heiner 1/	80	143	May-July	--	56
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	60	136	May-July	--	43 <sup>b</sup>
Cottonwood Crk nr Orangeville	57	132	May-July	159	43 <sup>b</sup>
Ferron Creek nr Ferron	44	129	May-July	77	34
MUDDY CREEK					
Muddy Creek nr Emery	21	114	May-July	44	16.8
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3730	141	May-July	--	2638
Green at Green River, UT	2335	90	May-July	--	2594
Mill Creek nr Moab	4.8	103	May-July	17.4	4.7 <sup>b</sup>
Navajo Reservoir Inflow	960	166	May-July	--	540
San Juan nr Bluff, UT	1280	161	May-July	--	793
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	5.6	97	May-July	14.7	5.8 <sup>b</sup>

## RESERVOIR STORAGE (Thousand Acres Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
PRICE RIVER	Scofield	65.8	56.4	28.0	36.6
SAN RAFAEL	Huntington North	3.9	3.0	3.6	3.9 <sup>b</sup>
	Joe's Valley	54.6	48.1	25.5	46.8 <sup>b</sup>
	Mill Site	16.7	16.7	14.6	6.3 <sup>b</sup>
SAN JUAN	Navajo	1696.0	1500.0	1370.0	--
	Kens Lake	2.3	2.3	1.2	--

## SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average †
PRICE RIVER	4	30	57
SAN RAFAEL RIVER	7	42	78
FREMONT RIVER	3	19	56
LASAL MOUNTAINS	2	34	61
BLUE MOUNTAINS	2	99	95
MUDDY RIVER	2	24	39
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 20 years e - Maximum mean daily peak flow + - 1961-80 20 year Average Period * - Forecast in cooperation with National Weather Service			

PEAK FLOWS <sup>e</sup>

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range * Last Year	Average †
Ferron Creek near Ferron	385-545	444
Muddy Creek near Emery	220-285	168
Huntington Cr. near Huntington	700-900	516 <sup>b</sup>

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
Buck Flat	4/26	34	11.2	30.2	16.6
Buckboard Flat	5/1	26	9.1	9.1	8.4
Camp Jackson	5/1	17	5.8	6.0	7.3
Dills Camp	4/26	12	4.1	16.5	10.9
Dry Valley Divide Alternate	4/27	3	0.9	12.3	4.5 <sup>a</sup>
Huntington-Horseshoe	4/26	64	25.9	40.6	27.6 <sup>a</sup>
Indian Canyon	4/27	24	6.7	11.7	11.1
LaSal Mtn. Upper	5/1	32	11.7	21.2	14.2
Mammoth-Cottonwood R.S.	4/27	44	19.9	32.6	19.9

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
Monticello City Park					
Mud Creek	4/27	19	5.9	17.0	8.3
Red Pine Ridge	4/27	29	12.1	29.1	15.3
Seeley Creek	4/27	49	18.7	39.2	18.0
Stuart R.S.	4/27	1	0.4	5.0	1.8
Upper Joe's Valley	4/27	5	1.9	13.3	6.2
White River #1	4/27	20	7.3	16.3	10.5
White River #3	4/27	0	0.0	0.7	0.7 <sup>b</sup>
Wrigley Creek	4/26	10	2.1	14.7	8.9

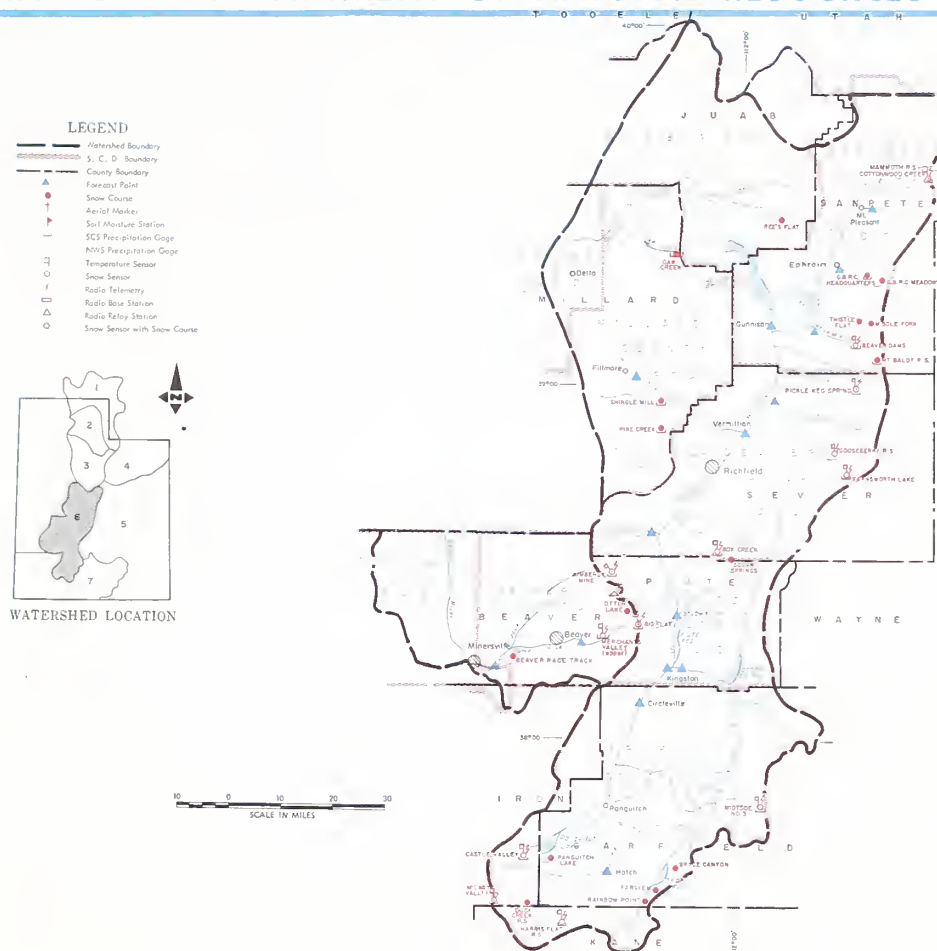
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# WATER SUPPLY OUTLOOK

## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



### THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER on the Sevier, despite generally above normal precipitation during April, dropped from 5% on the East Fork to 18% on the Lower Sevier compared to April 1 measurements because of above normal temperatures and early melt. The Beaver River, however, increased by 18%. The Sevier now ranges from 81% on the Lower Sevier to 90% on the East Fork. The Beaver River is at 115% of the May 1 average.

PRECIPITATION for most sites was above average during April ranging from 76% at Oak Creek to 199% at Box Creek.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is well above average with all reservoirs reported full except Sevier Bridge which is only slightly below capacity but expected to fill.

STREAMFLOW FORECASTS now range from 90% of the May-July average on Ephriam Creek to 395% for the Sigurd to Gunnison reach of the Sevier River. Other forecasts on the Sevier are: Sevier at Hatch 121%, Circleville 133%, Kingston 154%, East Fork 104%, below Piute Dam 138% and near Gunnison 242%. Antimony Creek is forecast 111%, Clear Creek 123%, Salina Creek 131% and Pleasant Creek 114%. Chalk Creek near Fillmore is forecast 106%, Chicken Creek 104%, Oak Creek 91%, and Salt Creek 101%. The Beaver River is forecast as follows: 111% at Beaver, 113% for North Creeks (combined), and 136% for Minersville Inflow. All water users are expected to have adequate water supplies this season.

**SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH**

**STREAMFLOW FORECASTS**

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST <sup>*</sup>		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average <sup>+</sup>		Last Year <sup>3</sup>	Average <sup>+</sup>
SEVIER RIVER					
Sevier at Hatch	50	121	May-July	39	42
Sevier nr Circleville	40	133	May-July	--	30
Sevier nr Kingston	34	154	May-July	--	22
Antimony Crk nr Antimony	10.0	111	May-July	--	5.7
East Fork Sevier nr Kingston	13.0	104	May-July	--	12.5
Sevier below Piute Dam	46	138	May-July	--	33
Clear Crk nr Sevier (abv Div)	20	123	May-July	--	16.2
Sigurd to Gunnison	65	342	May-July	--	16.6
Kingston to Vermillion Dam	45	161	May-June	--	28
Vermillion Dam to Gunnison	85	395	May-June	--	19.0
Salina Creek at Salina	14.7	131	May-June	--	10.8
Sevier nr Gunnison	100	242	May-July	--	41
Chalk Creek nr Fillmore	14.0	106	May-July	--	13.2 <sup>b</sup>
Chicken Creek nr Levan	2.9	104	May-July	21	2.8 <sup>b</sup>
Oak Cr. nr Oak City	1.0	91	May-July	2.6	1.1 <sup>b</sup>
Ephraim Creek nr Ephraim	7.5	90	May-July	--	8.3
Pleasant Crk nr Mt. Pleasant	9.0	114	May-July	--	7.9
Salt Creek nr. Nephi	10.9	101	May-July	--	10.8
Beaver nr Beaver	23	111	May-July	47	21
North Creek (Combined)	14.4	113	May-July	--	12.7 <sup>a</sup>
Minersville Inflow	10.5	136	May-June	--	7.7

**RESERVOIR STORAGE (Thousand Acre Feet)**

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average <sup>+</sup>
SEVIER RIVER	Gunnison	18.2	18.2	13.8	14.9 <sup>b</sup>
	Otter Creek	52.5	52.7	48.9	39.5
	Piute	71.8	71.8	58.6	44.7
	Sevier Bridge	236.0	225.4	212.1	136.0
	Panguitch Lake	22.3	22.3	21.7	--
BEAVER RIVER	Minersville (Rky Fd)	26.0	26.0	21.1	14.6

**SUMMARY of SNOW MEASUREMENTS** (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average <sup>+</sup>
UPPER SEVIER RIVER	11	71	88
East Fork Sevier	4	57	90
South Fork Sevier	7	79	87
LOWER SEVIER	12	36	81
BEAVER RIVER	3	65	115

1 - Observed flow corrected for change in storage and diversions  
2 - Inflow record as computed by U. S. Bureau of Reclamation  
3 - Provisional flows - Subject to Correction  
a - Partly estimated  
b - Average of all past record - less than 20 years  
e - Maximum mean daily peak flow  
+ - 1961-80 20 year Average Period  
\* - Forecast in cooperation with National Weather Service

**PEAK FLOWS <sup>e</sup>**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range <sup>*</sup>	Average <sup>+</sup>
Beaver River nr Beaver	160-425	257
Sevier River at Hatch	500-700	484
Sevier River nr Kingston	400-600	312
Clear Creek nr Sevier	250-400	226
Salina Creek nr Salina	300-550	285

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average <sup>+</sup>
Big Flat	4/24	70	23.8	32.8	20.2
Bryce Canyon	4/26	0	0.9	0.0	0.8 <sup>a</sup>
Castle Valley	4/24	16	6.8	12.5	7.7
Duck Creek	4/25	13	5.6	0.1	9.2
Farnsworth Lake	4/26	76	21.1	39.8	22.1
Gooseberry R.S.	4/26	28	5.4	25.4	9.4
Harris Flat	4/25	0	0.0	0.0	2.9
Kimberly Mine	4/24	49	17.8	33.0	16.2

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average <sup>+</sup>
Long Valley Junction	4/25	0	0.0	0.0	0.0 <sup>b</sup>
Merchants Valley Upper	4/24	28	10.3	18.0	7.6
Midway Valley	4/25	53	22.6	19.4	23.7
Oak Creek	4/24	13	4.8	21.9	7.5 <sup>a</sup>
Otter Lake	4/24	43	13.6	22.5	13.6
Pickle Keg Springs	4/26	33	9.3	35.4	11.2
Pine Creek	4/24	28	9.6	45.3	13.9
Widtsoe-Escalante #3	4/25	38	11.9	8.2	10.1

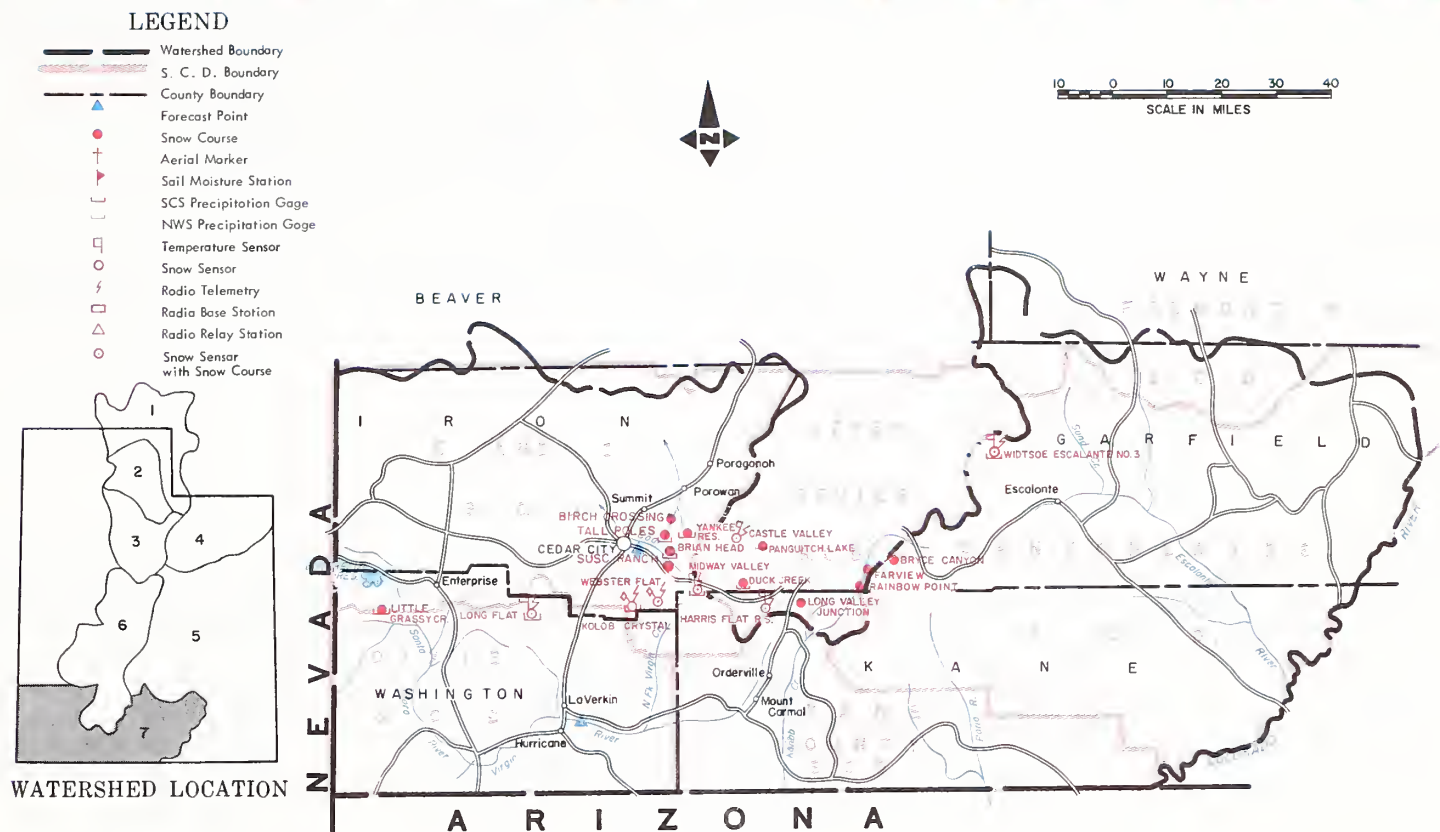
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# WATER SUPPLY OUTLOOK

## EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



### THE WATER SUPPLY OUTLOOK IS BELOW TO NEAR AVERAGE

SNOW COVER as a percent of average on all basins except the Escalante dropped during April due to unseasonably high temperatures and resultant early melt. The Escalante is now at 118%, Coal Creek 73%, Virgin River 72%, Parowan Creek 66% and Enterprise-New Harmony 0% (both courses bare) of the May 1 average.

PRECIPITATION during April was greater than average ranging from 102% at Webster Flat to 184% at Tall Poles.

SOIL MOISTURE is above average on most of the higher elevations.

RESERVOIR STORAGE is reported at capacity in Baker Reservoir. Gunlock is reported about two feet from full. Water is being diverted from the Virgin River and Quail Creek Reservoir is starting to fill. Enterprise reservoirs are reported less than 1/2 full.

STREAMFLOW FORECASTS for the May-June (July) period decreased as a percent of average from the April-June (July) forecasts by 11 to 19 percent as a result of early melt and higher than expected April runoff. The Virgin near Hurricane is forecast 100% and the Santa Clara is forecast 68% of the May-June average. Coal Creek is forecast 96% for the May-July runoff period and Inflow to Lake Powell is forecast 127%. Water users are expected to have adequate water supplies with the exception of those relying on late season streamflow.

## EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average
VIRGIN RIVER					
Virgin nr Hurricane	40	100	May-June	21	40
Santa Clara nr Pine Valley	2.8	68	May-June	--	4.1
COAL CREEK					
Coal Creek nr Cedar City	14.8	96	May-July	16.3	15.4
UPPER COLORADO					
Lake Powell Inflow	8250	127	May-July	--	6475

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	3	106	73
VIRGIN RIVER	5	104	72
PAROWAN CREEK	4	45	66
ENTERPRISE - NEW HARMONY	2	0	0
ESCALANTE RIVER	1	145	118
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 20 years e - Maximum mean daily peak flow + - 1961-80 20 year Average Period * - Forecast in cooperation with National Weather Service			

## RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
COLORADO	Lake Powell	25002.0	22599.0	21067.0	--
	Blue Mesa	829.5	350.0	220.7	--

PEAK FLOWS<sup>e</sup>

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Coal Creek nr Cedar City	250-400	220
Virgin nr Hurricane	650-1100	1092

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Birch Crossing	4/30	0	0.0	4.6	2.1 <sup>b</sup>
Brian Head	4/24	46	17.7	29.1	22.5 <sup>b</sup>
Harris Flat	4/25	0	0.0	0.0	2.9
Kolob-Crystal	4/24	36	15.6	15.6	22.3 <sup>a</sup>
Little Grassy	4/24	0	0.0	0.0	0.2 <sup>b</sup>
Long Flat	4/24	0	0.0	0.1	1.8

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Long Valley Junction	4/25	0	0.0	0.0	0.0 <sup>b</sup>
SUSC Ranch	4/30	0	0.0	0.0	3.2
Tall Poles	4/30	22	8.5	17.5	13.6 <sup>b</sup>
Webster Flat	4/25	18	8.6	10.1	16.0
Yankee Reservoir	4/24	8	3.4	14.2	6.9

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# BASIN SUMMARY OF SNOW COURSE DATA

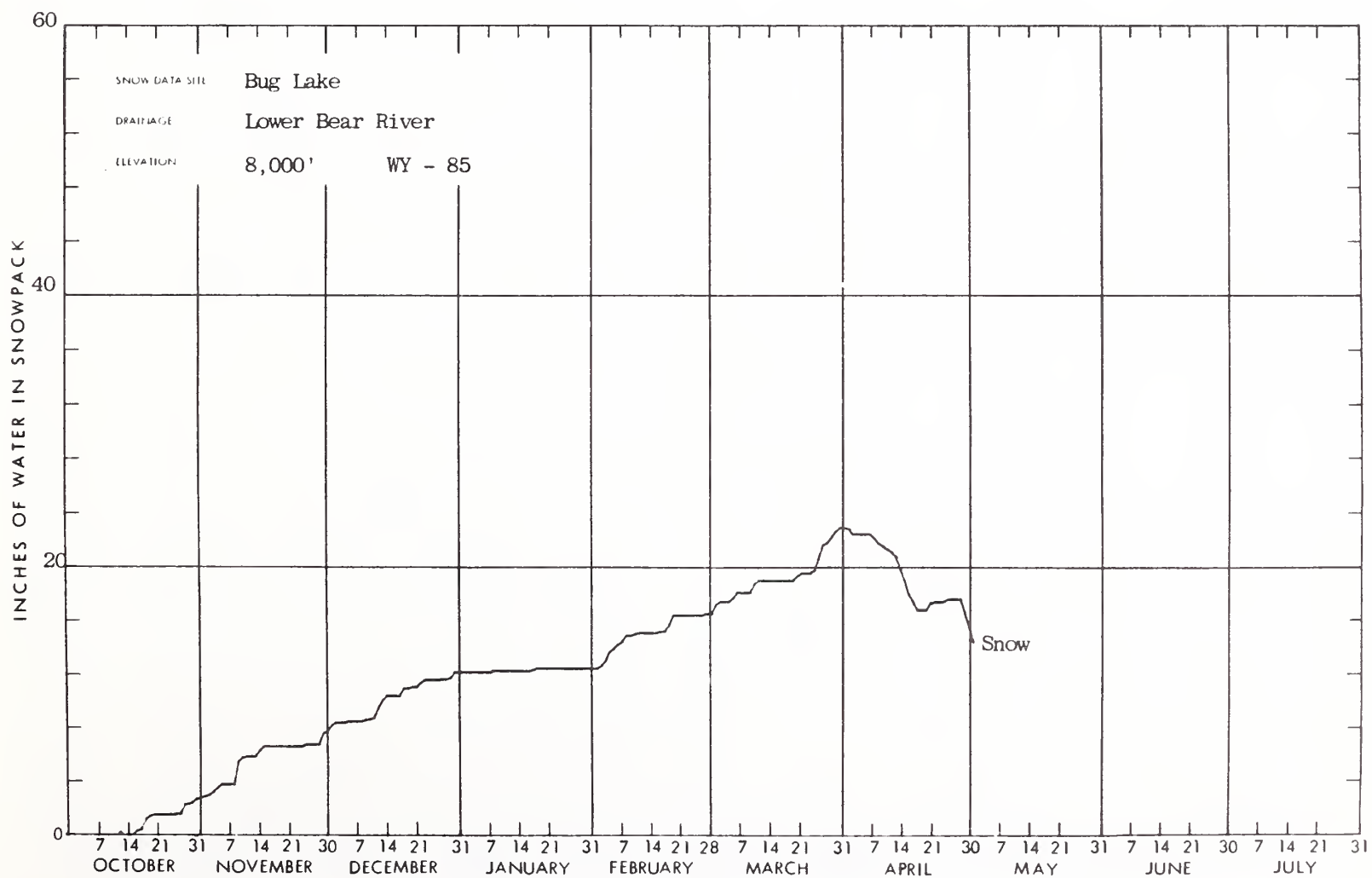
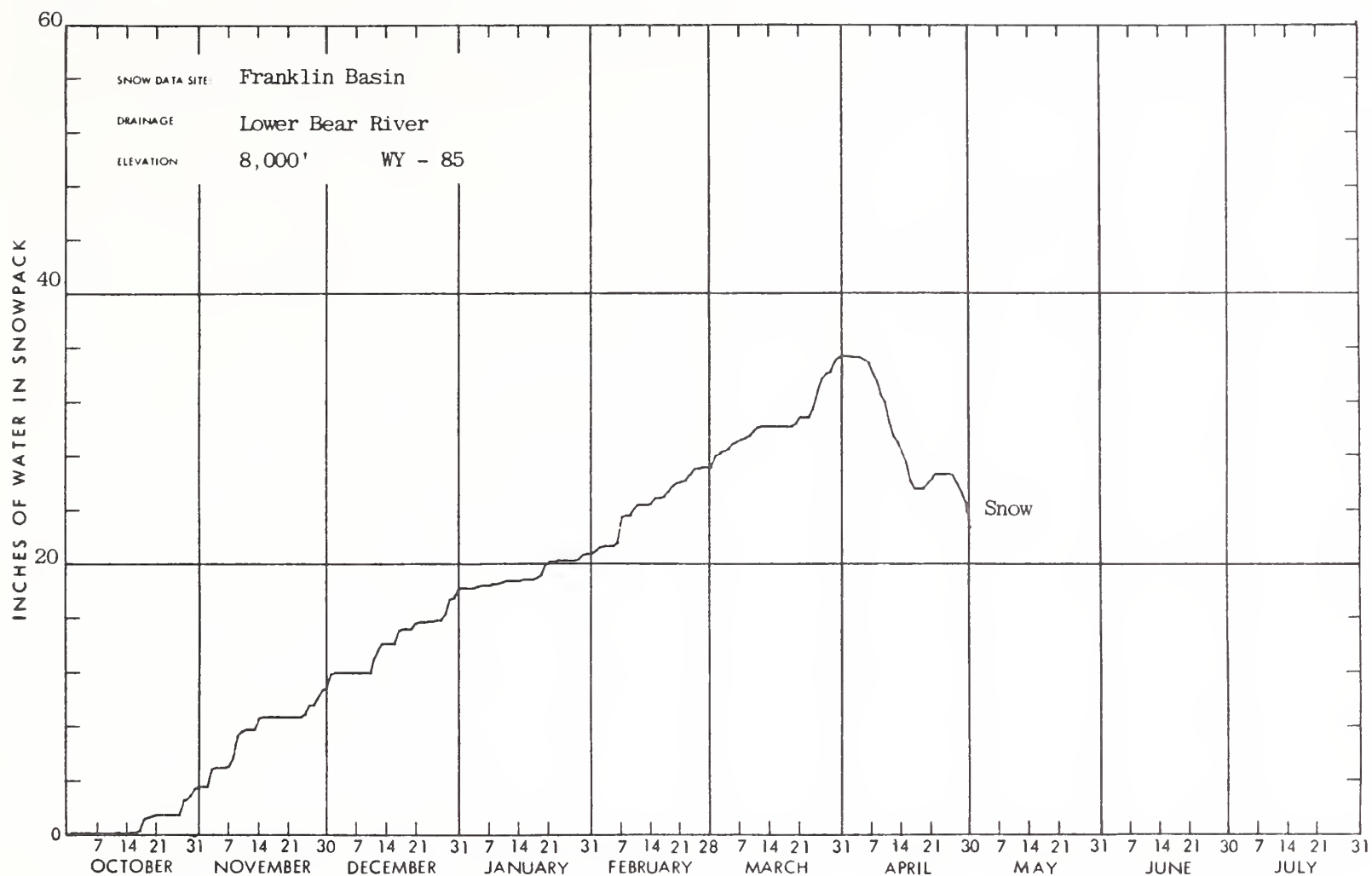
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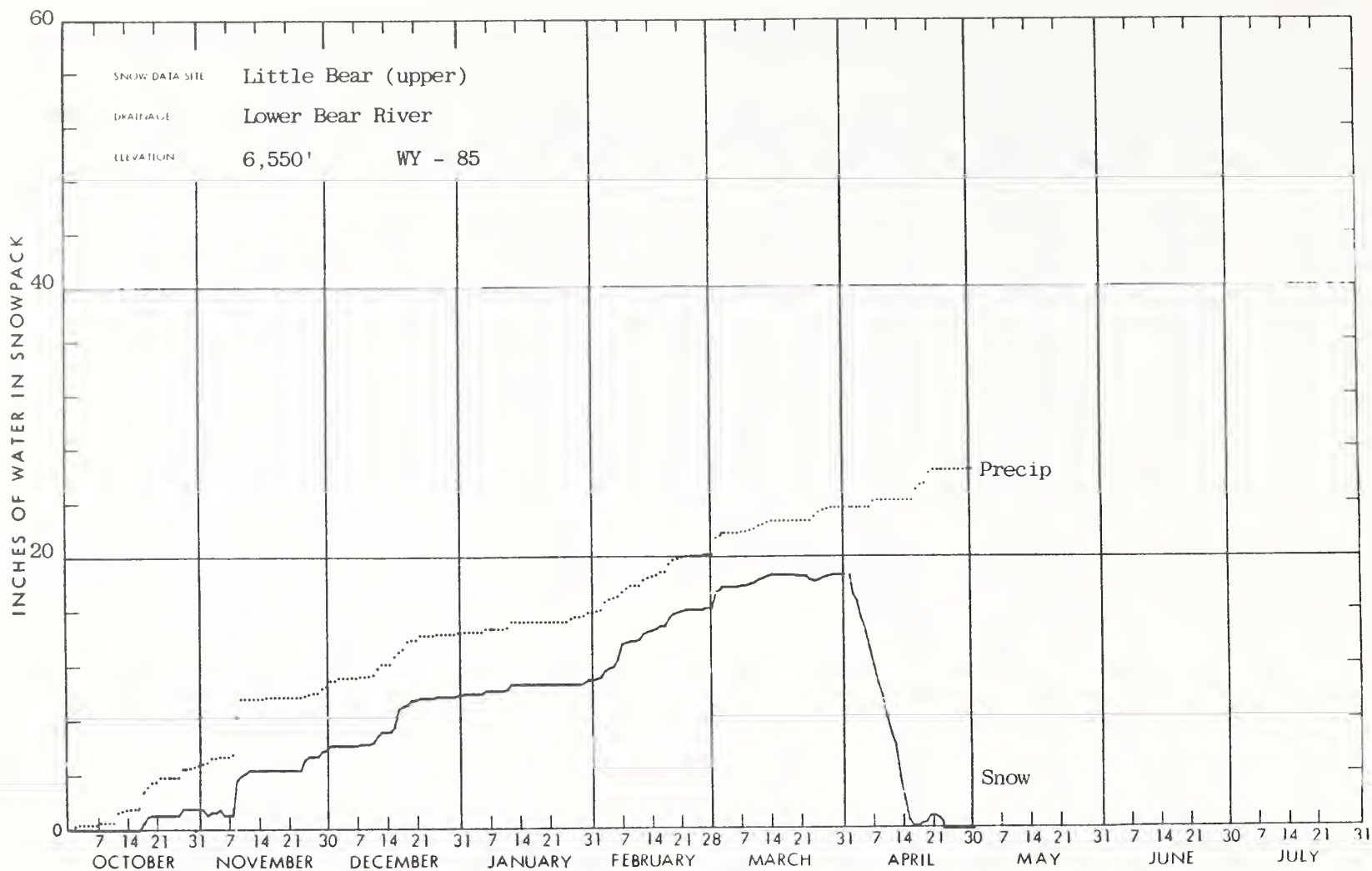
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
BEAR RIVER, UPPER IN UTAH (above Harer, Idaho)						
BURT'S-MILLER RANCH	7900	4/26/85	2	.4	4.3	2.4
HAYDEN FORK	9400	4/26/85	30	10.7	18.2	16.2
MONTE CRISTO R.S.	8960	4/25/85	51	20.1	29.8	26.8
STILLWATER CAMP	8550	4/26/85	9	2.6	10.6	8.4
TRIAL LAKE	9960	4/26/85	54	23.2	31.7	26.1
BEAR RIVER, LOWER IN UTAH (below Harer, Idaho)						
BUG LAKE	7950	4/25/85	42	15.8	24.2	18.3
CUB RIVER R.S.	5450	4/25/85	0	.0	5.1	.1
FRANKLIN BASIN	8020	4/25/85	52	23.0	33.6	20.7
GARDEN CITY SUMMIT	7600	4/25/85	35	13.8	20.8	17.4
KLONDIKE NARROWS	7400	4/25/85	26	11.2	23.0	15.6
LITTLE BEAR (LOWER)	6000	4/25/85	0	.0	7.9	1.5
LITTLE BEAR (UPPER)	6550	4/25/85	0	.0	14.5	5.4
STEEP HOLLOW #1	8500	4/25/85	84	35.4	46.4	39.9
STEEP HOLLOW #2	7700	4/25/85	44	18.6	31.7	24.0
TONY GROVE LAKE	8400	4/25/85	69	29.5	42.8	35.1
TONY GROVE R.S.	6250	4/25/85	4	1.6	11.3	3.1
WILLOW FLAT	6100	4/25/85	0	.0	20.4	5.2
BEAR RIVER, UPPER (above Harer, Idaho)						
BIG PARK	8620	4/26/85	46	15.8	22.8	21.9
BURT'S-MILLER RANCH	7900	4/26/85	2	.4	4.3	2.4
CCC CAMP	7000	4/25/85	10	4.0	13.2	9.0
HAYDEN FORK	9400	4/26/85	30	10.7	18.2	16.2
KELLEY RANGER STA.	8180	4/26/85	40	13.2	20.8	18.5
MONTE CRISTO R.S.	8960	4/25/85	51	20.1	29.8	26.8
POISON MEADOWS	8500	4/30/85	52	22.5	28.2	31.8
SALT RIVER SUMMIT	7700	4/29/85	15	5.2	15.8	14.5
SNIDER BASIN R.S.	8060	4/30/85	22	8.1	16.0	15.5
STILLWATER CAMP	8550	4/26/85	9	2.6	10.6	8.4
TRIAL LAKE	9960	4/26/85	54	23.2	31.7	26.1
BEAR RIVER, LOWER (below Harer, Idaho)						
BUG LAKE	7950	4/25/85	42	15.8	24.2	18.3
CUB RIVER R.S.	5450	4/25/85	0	.0	5.1	.1
EMIGRANT SUMMIT	7390	4/29/85	36	15.3	33.4	23.6
FRANKLIN BASIN	8020	4/25/85	52	23.0	33.6	20.7
GARDEN CITY SUMMIT	7600	4/25/85	35	13.8	20.8	17.4
KLONDIKE NARROWS	7400	4/25/85	26	11.2	23.0	15.6
LITTLE BEAR (LOWER)	6000	4/25/85	0	.0	7.9	1.5
LITTLE BEAR (UPPER)	6550	4/25/85	0	.0	14.5	5.4
SLUG CREEK DIVIDE	7230	4/29/85	14	6.0	17.6	13.9
STEEP HOLLOW #1	8500	4/25/85	84	35.4	46.4	39.9
STEEP HOLLOW #2	7700	4/25/85	44	18.6	31.7	24.0
TONY GROVE LAKE	8400	4/25/85	69	29.5	42.8	35.1
TONY GROVE R.S.	6250	4/25/85	4	1.6	11.3	3.1
WILLOW FLAT	6100	4/25/85	0	.0	20.4	5.2
BEAR RIVER DRAINAGE						
LOGAN RIVER						
FRANKLIN BASIN	8020	4/25/85	52	23.0	33.6	20.7
GARDEN CITY SUMMIT	7600	4/25/85	35	13.8	20.8	17.4
KLONDIKE NARROWS	7400	4/25/85	26	11.2	23.0	15.6
STEEP HOLLOW #1	8500	4/25/85	84	35.4	46.4	39.9
STEEP HOLLOW #2	7700	4/25/85	44	18.6	31.7	24.0
TONY GROVE LAKE	8400	4/25/85	69	29.5	42.8	35.1
TONY GROVE R.S.	6250	4/25/85	4	1.6	11.3	3.1

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
RAFT RIVER						
OGDEN RIVER						
BEAVER CREEK-SKUNK	7150	4/25/85	1	.4	11.5	6.1
BEN LOMOND PEAK	8000	4/25/85	68	31.1	70.7	38.2
BEN LOMOND TRAIL	6000	4/25/85	19	7.9	24.5	8.1
DRY BREAD POND	8350	4/25/85	30	12.0	25.1	18.2
MONTE CRISTO R.S.	8960	4/25/85	51	20.1	29.8	26.8
SAGEBRUSH FLAT	6300	4/25/85	0	.0	.0	--
WEBER RIVER						
BEAVER CREEK R.S.	7500	4/25/85	0	.0	5.2	1.7
CHALK CREEK #1	9100	4/26/85	55	23.9	29.0	24.4
CHALK CREEK #2	8200	4/26/85	28	10.8	17.9	14.2
CHALK CREEK #3	7500	4/26/85	1	.2	6.3	2.9
FARMINGTON CANYON L.	6950	4/25/85	49	21.1	36.5	22.8
FARMINGTON CANYON	8000	4/25/85	72	30.3	44.9	32.9
HORSE RIDGE	8260	4/25/85	34	14.9	26.7	20.7
KILFOIL CREEK	7300	4/25/85	21	8.0	16.5	10.6
LOST CREEK RESERVOIR	6130	4/25/85	0	.0	.0	--
PARLEY'S CANYON SUM.	7500	4/29/85	26	10.7	26.6	13.8
PINE CANYON	8000	4/25/85	30	15.0	22.8	11.8
REDDEN MINE LOWER	8500	4/26/85	32	12.6	23.4	17.8
SMITH & MOREHOUSE	7600	4/26/85	12	4.4	14.1	9.1
TRIAL LAKE	9960	4/26/85	54	23.2	31.7	26.1
PROVO RIVER & UTAH LAKE						
CLEAR CREEK RIDGE #1	9200	4/27/85	36	14.5	27.1	17.7
CLEAR CREEK RIDGE #2	8000	4/27/85	17	7.8	18.6	10.5
CLEAR CREEK RIDGE #3	6600	4/27/85	0	.0	.9	.1
DANIELS-STRAWBERRY	8000	4/27/85	13	6.0	16.5	9.6
HOBBLE CREEK SUMMIT	7420	4/27/85	4	1.7	18.3	7.9
PAYSON R.S.	8050	4/24/85	23	9.9	31.4	15.5
SOAPSTONE R.S.	7800	4/26/85	4	1.4	12.9	7.1
TRIAL LAKE	9960	4/26/85	54	23.2	31.7	26.1
JORDAN RIVER & GREAT SALT LAKE						
LAMBS CANYON	7400	4/29/85	10	4.3	21.9	9.8
MILL CREEK	6950	4/30/85	42	17.5	28.1	21.1
MILL D SOUTH FORK	7400	4/30/85	17	7.2	25.5	15.1
PARLEY'S CANYON SUM.	7500	4/29/85	26	10.7	26.6	13.8
SILVER LAKE(BRIGHT.)	8730	4/30/85	42	22.2	32.9	28.3
SNOWBIRD GAD VALLEY	9700	4/24/85	86	41.0	44.0	43.2
TOOELE VALLEY WATERSHEDS AND VERNON CREEK						
BEVAN'S CABIN	6450	4/30/85	7	3.3	25.9	4.8
DESERET PEAK	9250	4/30/85	32	12.7	43.3	27.0
MIDDLE CANYON	7000	4/30/85	4	1.7	29.7	9.3
ROCKY BASIN-SETTLEMT	8900	4/30/85	54	23.4	55.8	30.0
VERNON CREEK	7500	4/29/85	0	.0	17.6	4.3
UPPER GREEN RIVER in UTAH (above Duchesne River)						
BLACK'S FORK GS-EF	9340	4/26/85	22	6.2	12.7	9.7
BLACK'S FORK JUNCTN	8930	4/26/85	16	3.7	11.8	8.3
BURNT CREEK	7900	4/25/85	2	.4	5.4	2.6
GRIZZLY RIDGE	8500	4/25/85	19	5.6	11.8	9.3
HEWINTA G.S.	9500	4/26/85	25	7.1	13.6	10.1
HICKERSON PARK	9100	4/26/85	29	3.8	13.3	6.1
KING'S CABIN (UPPER)	8730	4/26/85	6	1.6	12.2	10.2
SPIRIT LAKE	10300	4/26/85	51	11.4	18.2	15.6
STEEL CREEK PARK	10100	4/26/85	58	16.6	22.5	18.5
TROUT CREEK	9400	4/26/85	22	7.0	12.1	9.5

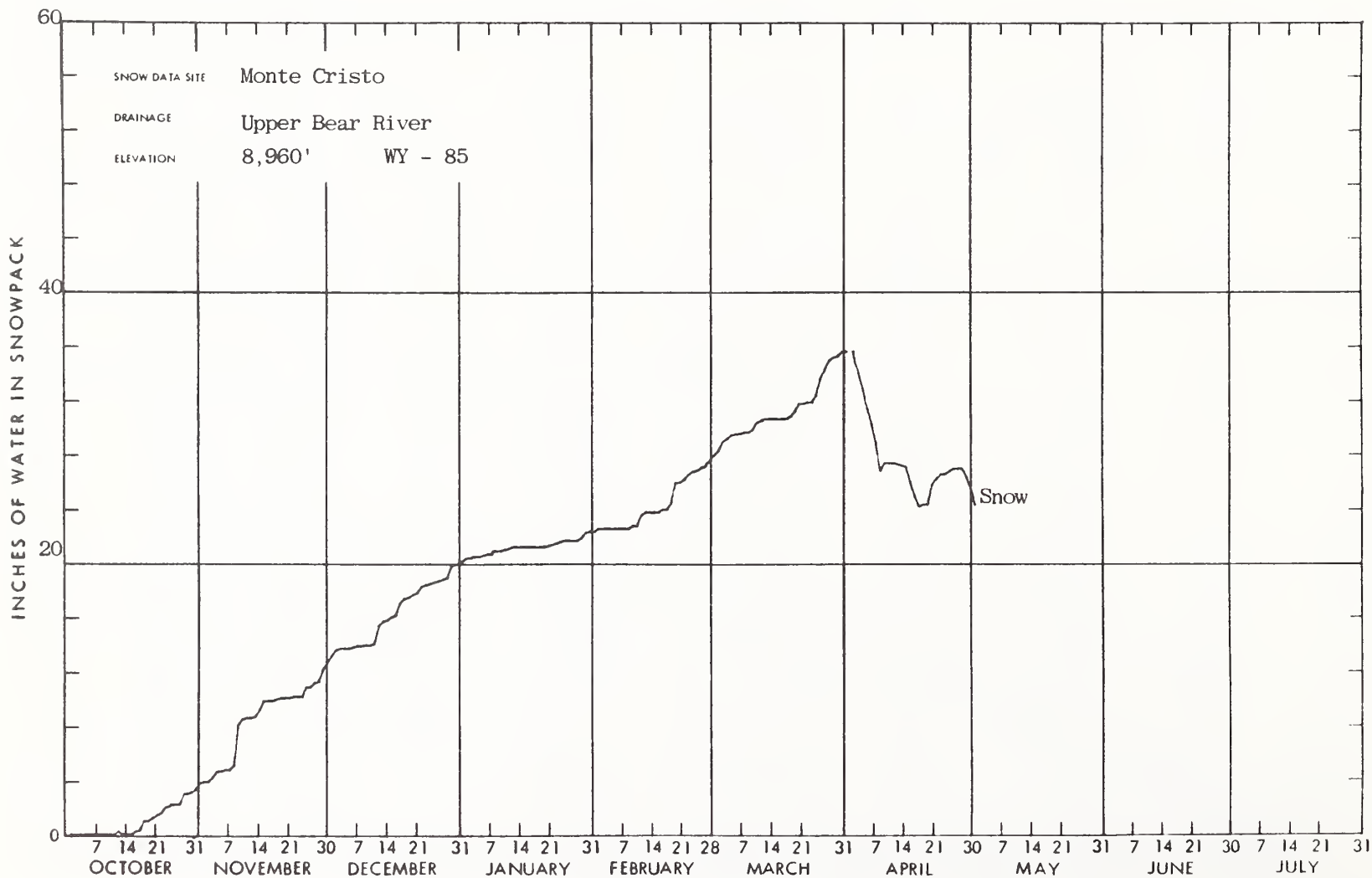
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
SOUTH FORK SEVIER RIVER						
CASTLE VALLEY	9580	4/24/85	16	6.8	12.5	7.7
DUCK CREEK R.S.	8700	4/25/85	13	5.6	.1	9.2
HARRIS FLAT	7700	4/25/85	0	.0	.0	2.9
KIMBERLY MINE (UPPER)	9300	4/24/85	49	17.8	33.0	16.2
LONG VALLEY JCT.	7500	4/25/85	0	.0	.0	.0
MIDWAY VALLEY	9800	4/25/85	53	22.6	19.4	23.7
PANQUITCH LAKE	8200	4/24/85	0	.0	1.5	1.0
• LOWER SEVIER RIVER (including San Pitch River)						
BEAVER DAMS	8000	4/26/85	10	1.5	21.4	7.7
FARNSWORTH LAKE	9600	4/26/85	76	21.1	39.8	22.1
G.B.R.C. HEADQUARTER	8700	4/26/85	52	17.3	34.8	16.7
G.B.F.C. MEADOWS	10000	4/27/85	71	26.5	48.0	25.9
GOOSEBERRY R.S.	8000	4/26/85	28	5.4	25.4	9.4
MAMMOTH-COTTONWOOD	8800	4/27/85	44	19.9	32.6	19.9
MT. BALDY R.S.	9500	4/26/85	69	22.1	41.8	25.2
DAK CREEK	7760	4/24/85	13	4.8	21.9	7.5
PICKLE KEG SPRING	9600	4/26/85	33	9.3	35.4	16.1
PINE CREEK	8800	4/24/85	28	9.6	45.3	13.9
REES'S FLAT	7300	4/24/85	10	3.7	22.0	7.7
SHINGLE MILL	6200	5/02/85	0	.0	22.4	2.5
BEAVER RIVER						
BIG FLAT	10290	4/24/85	70	23.8	32.8	20.2
MERCHANT VALLEY (UP)	8750	4/24/85	28	10.3	18.0	7.6
OTTER LAKE	9600	4/24/85	43	13.6	22.5	13.6
PAROWAN						
BIRCH CROSSING	8100	4/30/85	0	.0	4.6	2.1
BRIAN HEAD	10000	4/24/85	46	17.7	29.1	22.5
TALL POLES	8800	4/30/85	22	8.5	17.5	13.6
YANKEE RESERVOIR	8700	4/24/85	8	3.4	14.2	6.9
ENTERPRISE TO NEW HARMONY DRAINAGES						
LITTLE GRASSY CREEK	6100	4/24/85	0	.0	.0	.2
LONG FLAT	8000	4/24/85	0	.0	.5	1.8
COAL CREEK						
CEDAR CITY GOLF COUR	5800	4/30/85	0	.0	.0	--
MIDWAY VALLEY	9800	4/25/85	53	22.6	19.4	23.7
SUSC RANCH	8200	4/30/85	0	.0	.0	3.2
WEBSTER FLAT	9200	4/25/85	18	8.6	10.1	16.0
VIRGIN RIVER						
HARRIS FLAT	7700	4/25/85	0	.0	.0	2.9
KOLOB-CRYSTAL	9250	4/24/85	36	15.6	15.6	22.2
LONG VALLEY JCT.	7500	4/25/85	0	.0	.0	.0
MIDWAY VALLEY	9800	4/25/85	53	22.6	19.4	23.7
WEBSTER FLAT	9200	4/25/85	18	8.6	10.1	16.0

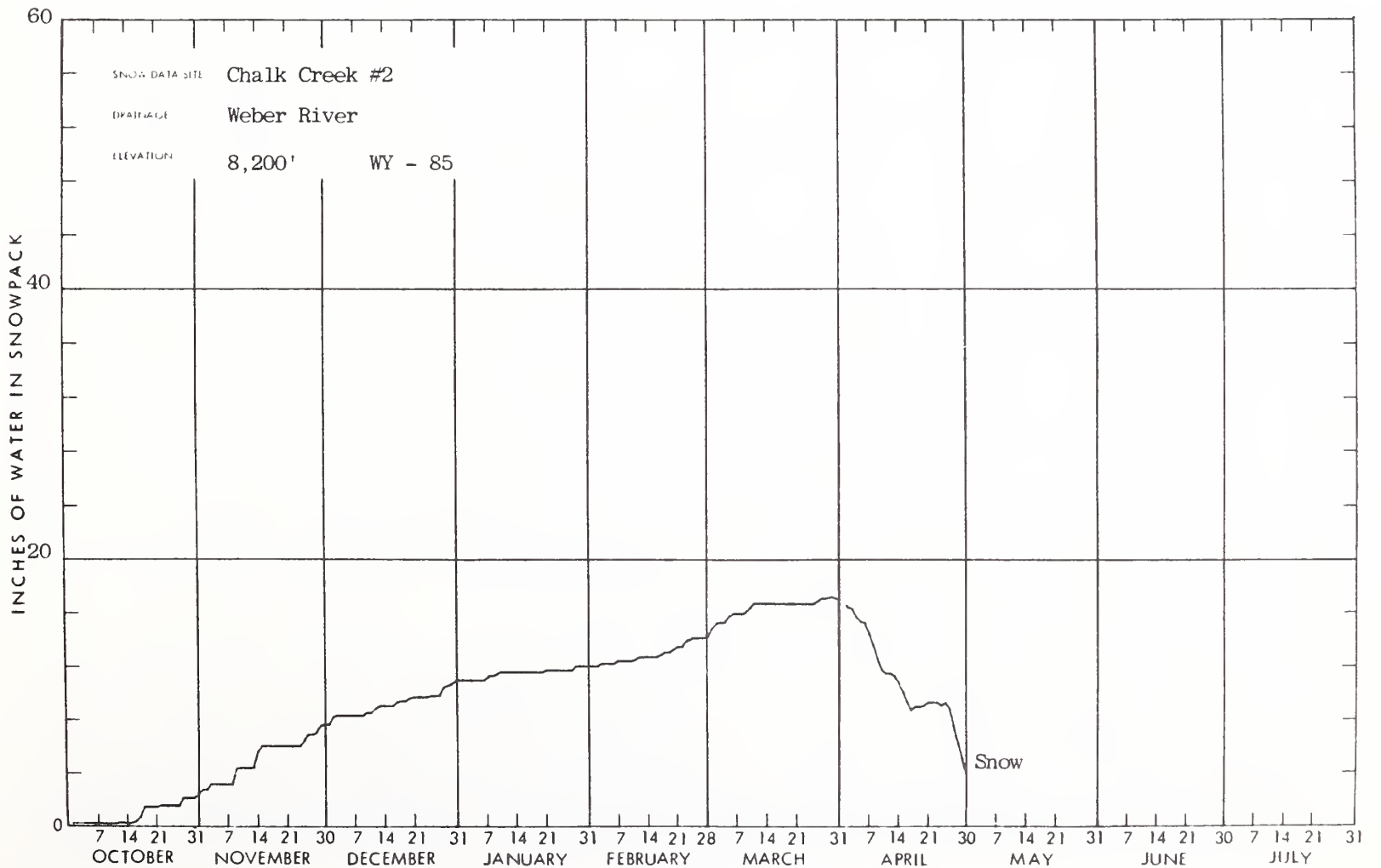
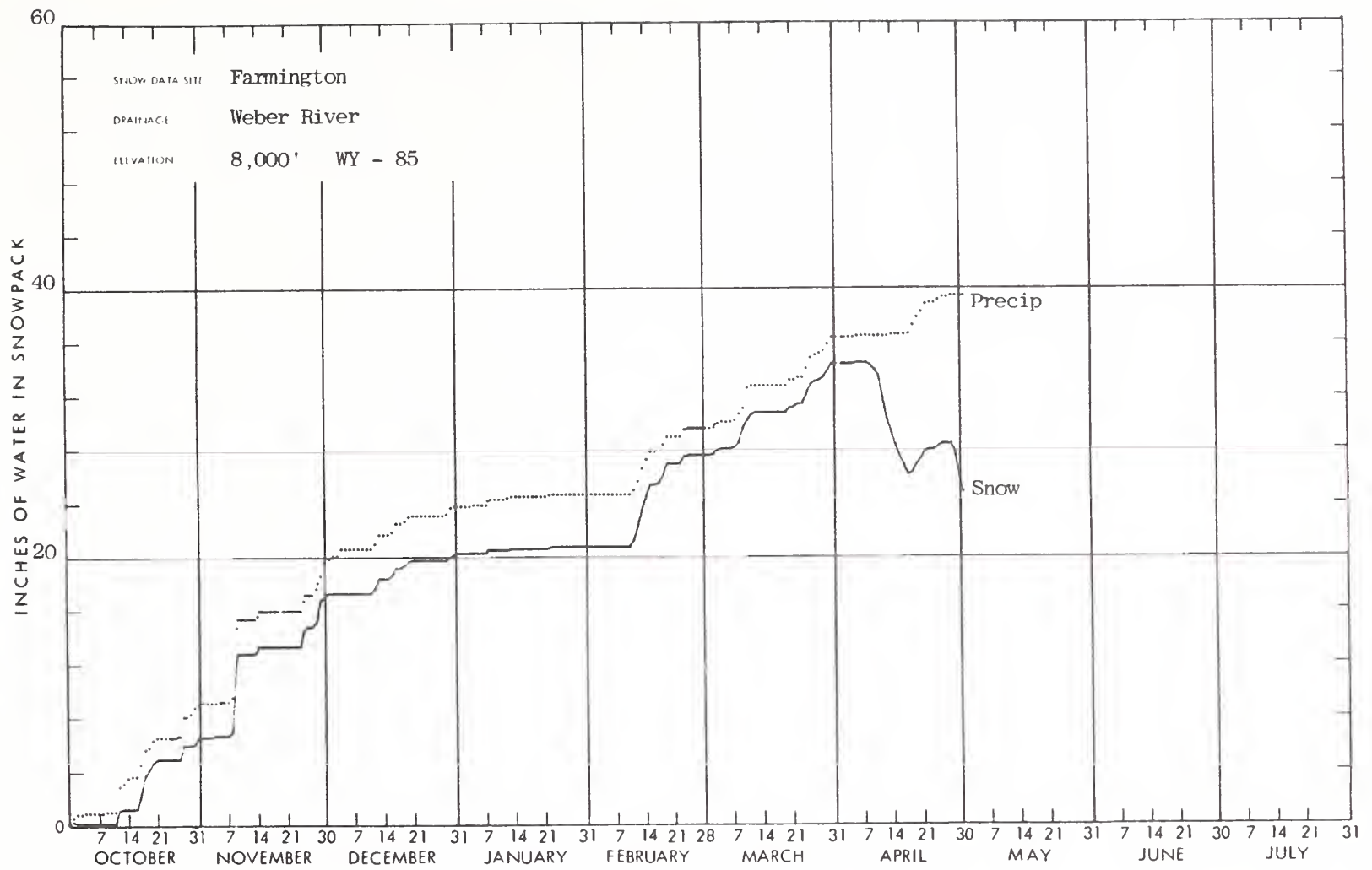
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
DUCHESNE RIVER						
BROWN DUCK RIDGE	10600	4/26/85	64	21.9	24.6	20.6
CURRENT CREEK	8000	4/27/85	0	.0	4.5	2.5
DANIELS-STRAWBERRY	8000	4/27/85	13	6.0	16.5	9.6
EAST PORTAL	7560	5/01/85	0	.0	10.0	4.9
INDIAN CANYON	9100	4/27/85	24	6.7	11.7	11.1
JACKSON PARK	10600	4/26/85	30	10.2	14.8	13.8
LAKEFORK MOUNTAIN #1	10200	4/26/85	29	9.3	12.6	12.1
LAKEFORK MOUNTAIN #3	8400	4/26/85	0	.0	1.4	2.0
MOSBY MOUNTAIN (LOW)	9500	4/26/85	25	8.5	9.9	10.5
PARADISE PARK	10100	4/26/85	30	11.4	14.3	14.6
ROCK CREEK	7900	4/26/85	0	.0	.0	1.3
PRICE RIVER						
DRY VALLEY DIVIDE AL	8100	4/27/85	3	.9	12.3	5.1
MUD CREEK	8600	4/27/85	19	5.9	17.0	8.3
WHITE RIVER #1	8550	4/27/85	20	7.3	16.3	10.5
WHITE RIVER #3	7400	4/27/85	0	.0	.7	.7
SAN RAFAEL RIVER						
BUCK FLAT	9800	4/26/85	34	11.2	30.2	16.6
HUNTINGTON-HORSESHOE	9800	4/26/85	64	25.9	40.6	25.7
ORANGE OLSEN	7200	4/27/85	0	.0	.0	--
RED PINE RIDGE	9200	4/27/85	29	12.1	29.1	15.3
SEELEY CREEK R.S.	10000	4/27/85	49	13.7	39.2	18.0
STUART R.S.	7950	4/27/85	1	.4	5.0	1.8
UPPER JOES VALLEY	8900	4/27/85	5	1.9	13.3	6.2
WRIGLEY CREEK	9000	4/26/85	10	2.1	14.7	8.9
MUDDY RIVER						
BLACK'S FORK	9200	4/26/85	15	4.7	20.8	11.7
DILL'S CAMP	9200	4/26/85	12	4.1	16.5	10.5
FREMONT RIVER						
BLACK'S FLAT-U.M. CK	9400	4/25/85	18	5.6	16.9	9.1
FISH LAKE	8700	4/25/85	13	4.4	23.5	4.8
JOHNSON VALLEY	8850	4/25/85	2	.2	13.9	4.2
LASAL MOUNTAINS						
LASAL MOUNTAIN LOWER	8800	5/01/85	0	.0	12.8	4.9
LASAL MOUNTAIN (UPP)	9850	5/01/85	32	11.7	21.2	14.2
BLUE MOUNTAINS						
BUCKBOARD FLAT	9000	5/01/85	26	9.0	9.1	8.4
CAMP JACKSON	8600	5/01/85	17	5.8	6.0	7.3
UPPER SEVIER RIVER (south of Richfield, Utah)						
BOX CREEK	9300	4/25/85	35	10.6	23.9	12.5
BRYCE CANYON	8000	4/26/85	0	.0	.0	.8
CASTLE VALLEY	9580	4/24/85	16	6.8	12.5	7.7
DUCK CREEK R.S.	8700	4/25/85	13	5.6	.1	9.2
HARRIS FLAT	7700	4/25/85	0	.0	.0	2.9
KIMBERLY MINE (UPPER)	9300	4/24/85	49	17.8	33.0	16.2
LONG VALLEY JCT.	7500	4/25/85	0	.0	.0	.0
MIDWAY VALLEY	9800	4/25/85	53	22.6	19.4	23.7
PANQUITCH LAKE	8200	4/24/85	0	.0	1.5	1.0
SQUAW SPRINGS	9300	4/25/85	8	2.4	11.6	4.4
WIDTSOE-ESCALANTE #3	9500	4/25/85	38	11.9	8.2	10.1
EAST FORK SEVIER RIVER						
BOX CREEK	9300	4/25/85	35	10.6	23.9	12.5
BRYCE CANYON	8000	4/26/85	0	.0	.0	.8
SQUAW SPRINGS	9300	4/25/85	8	2.4	11.6	4.4
WIDTSOE-ESCALANTE #3	9500	4/25/85	38	11.9	8.2	10.1

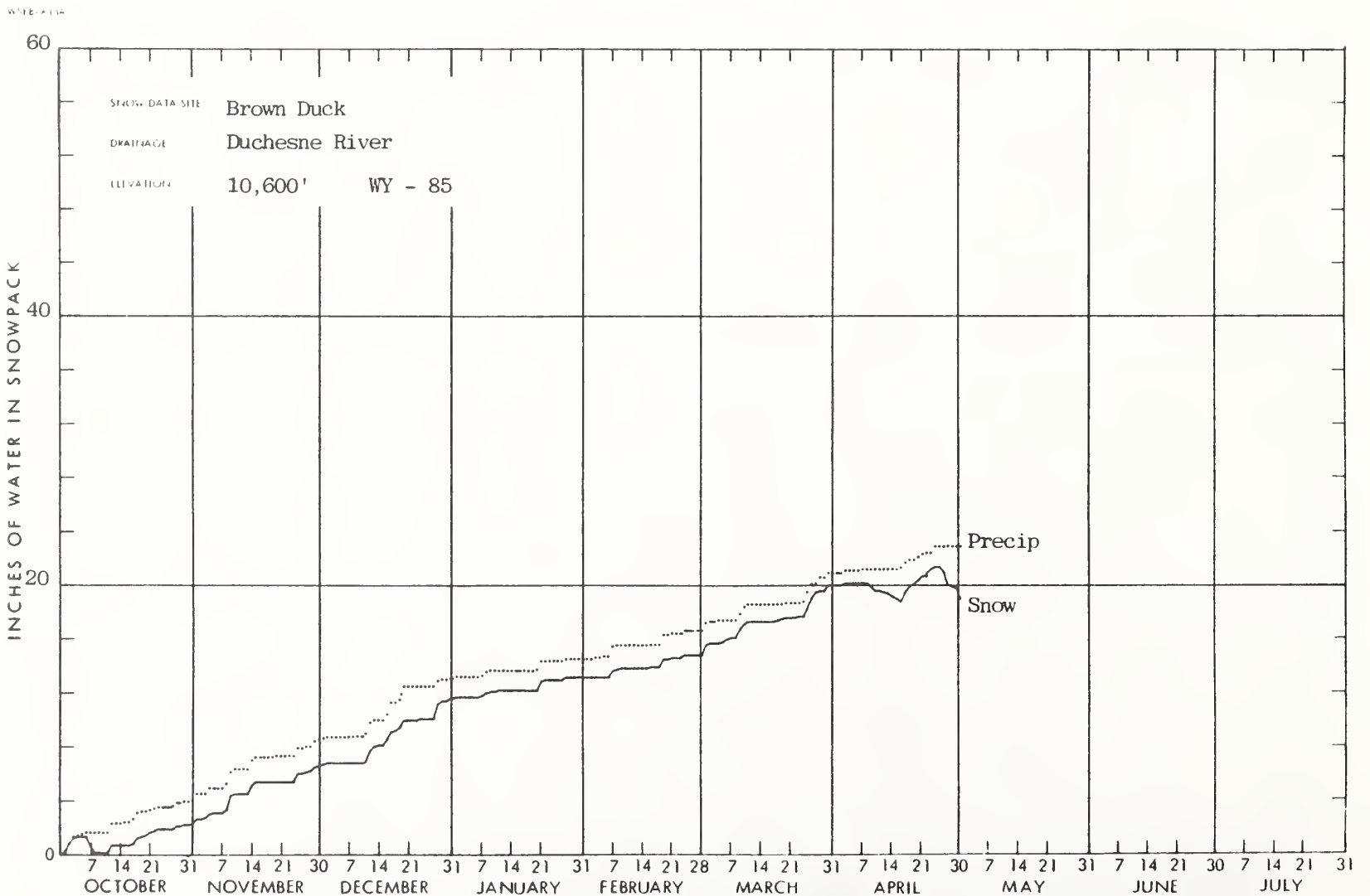
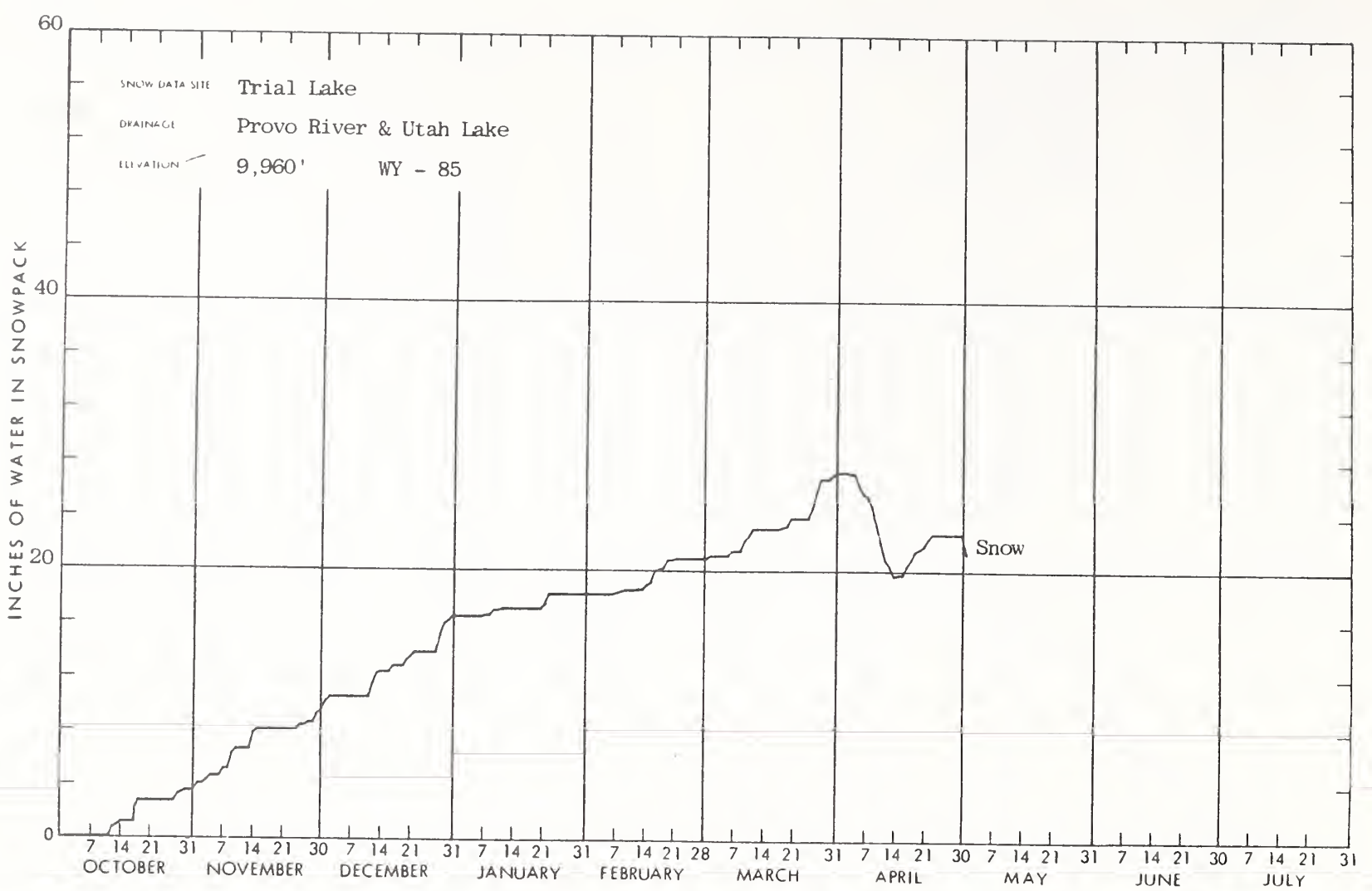


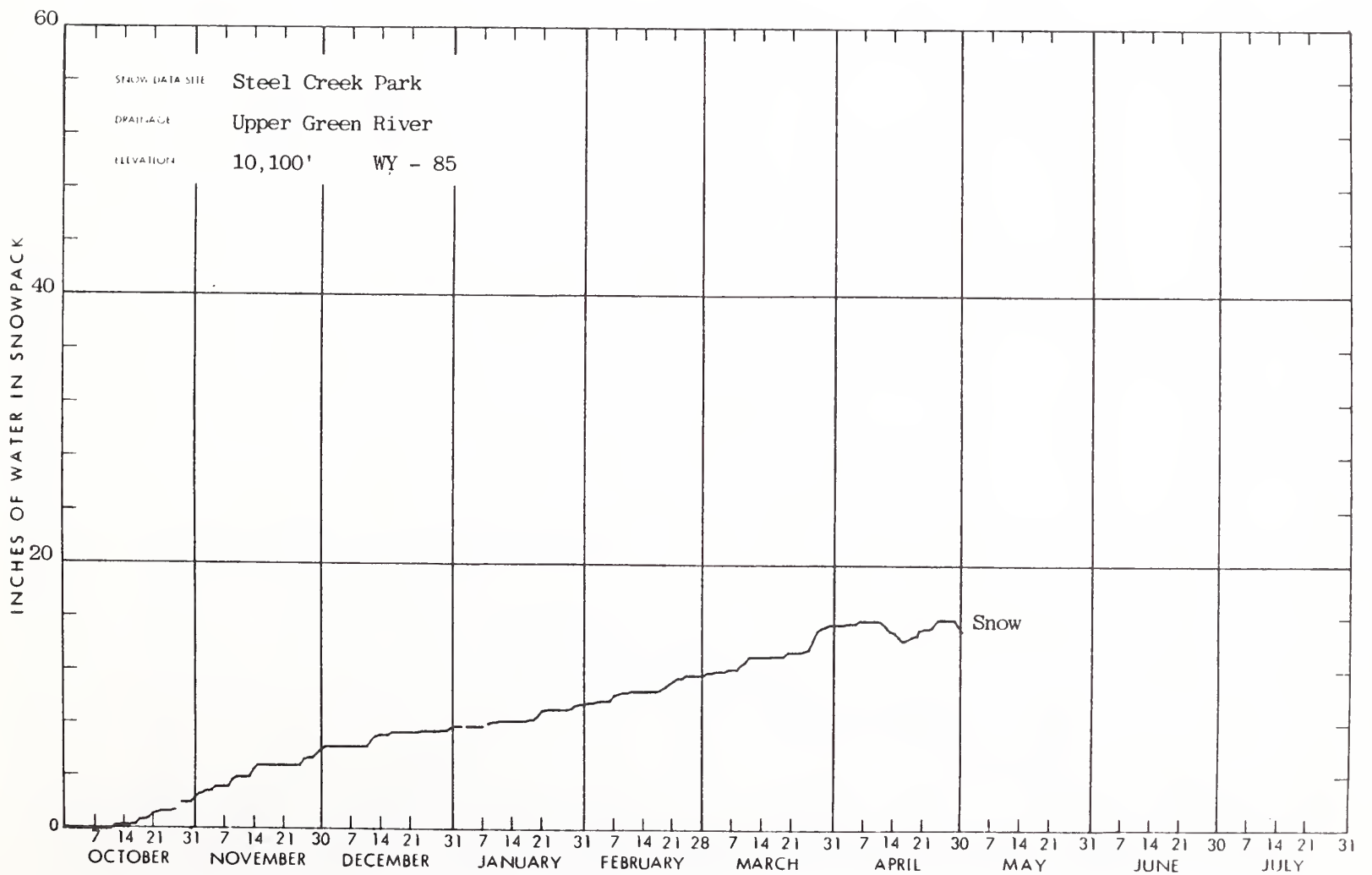
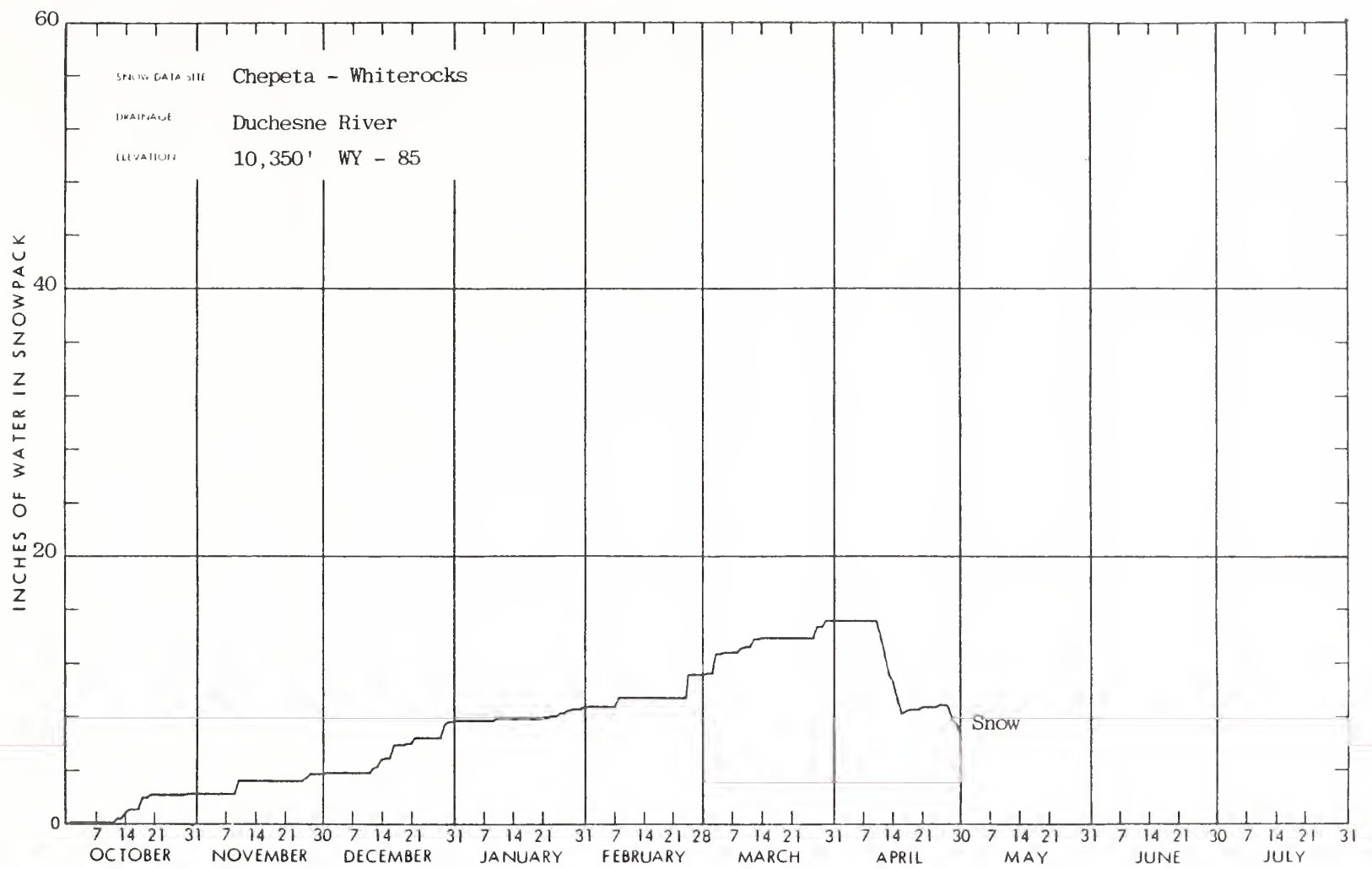


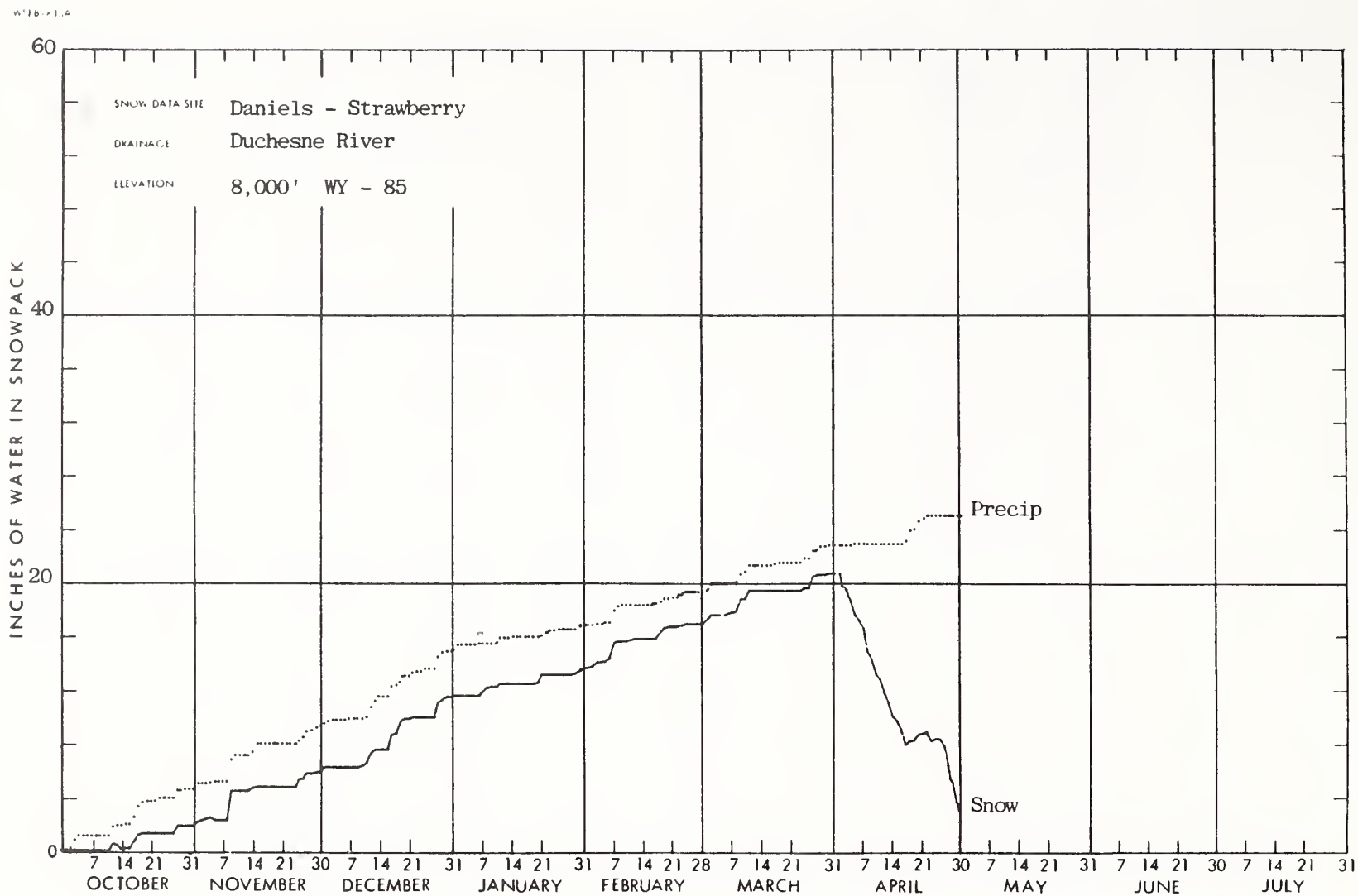
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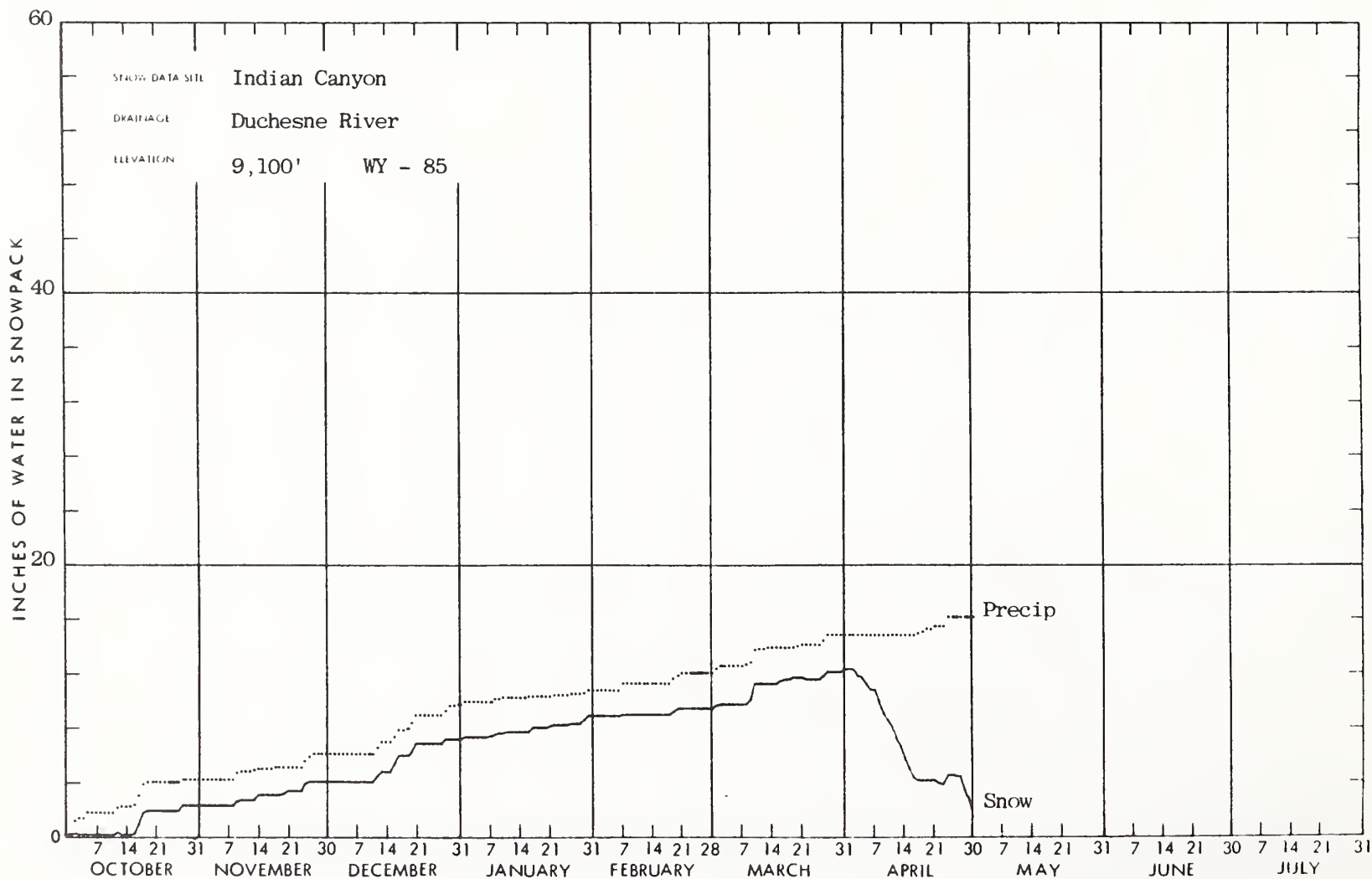


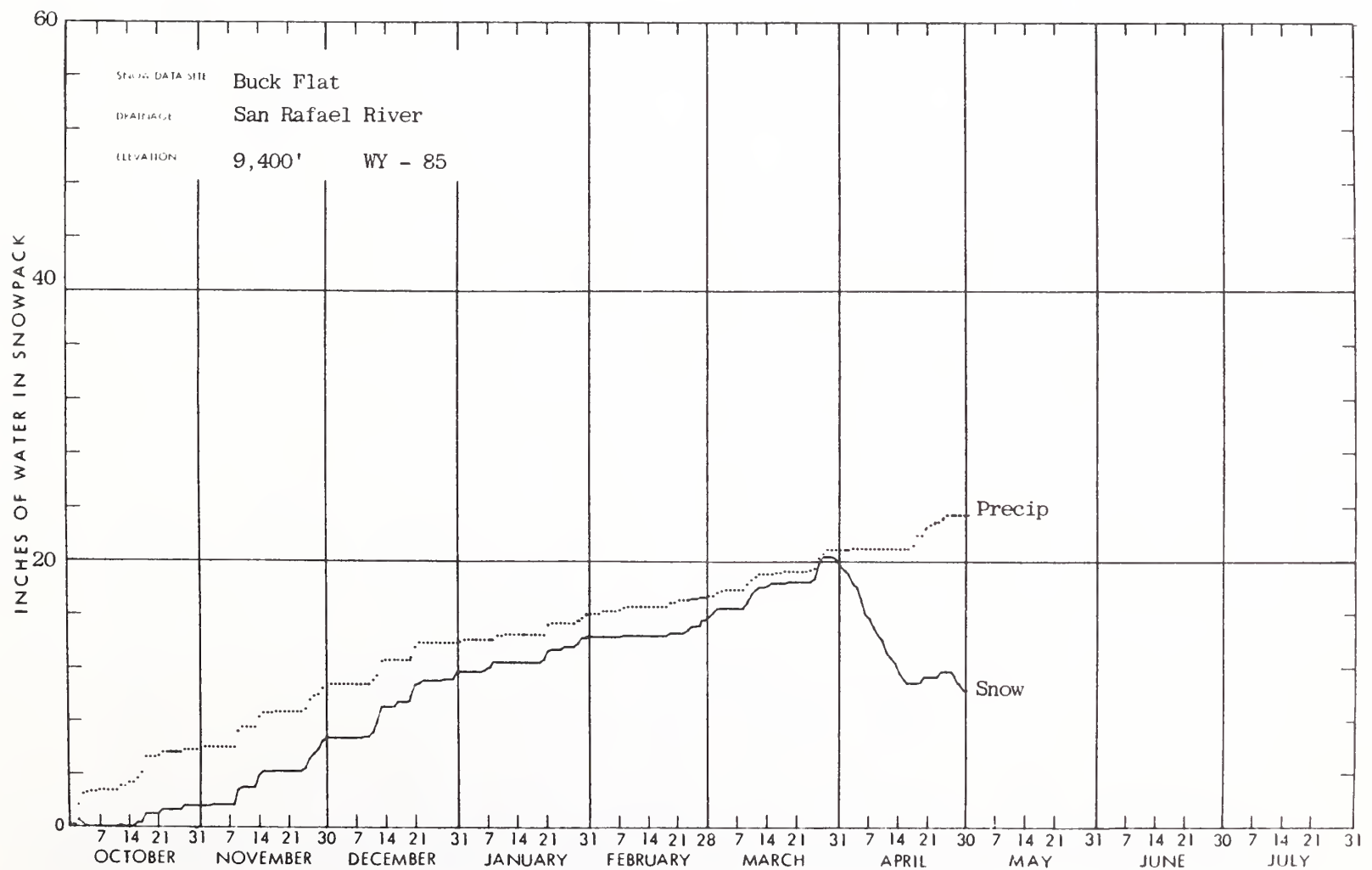
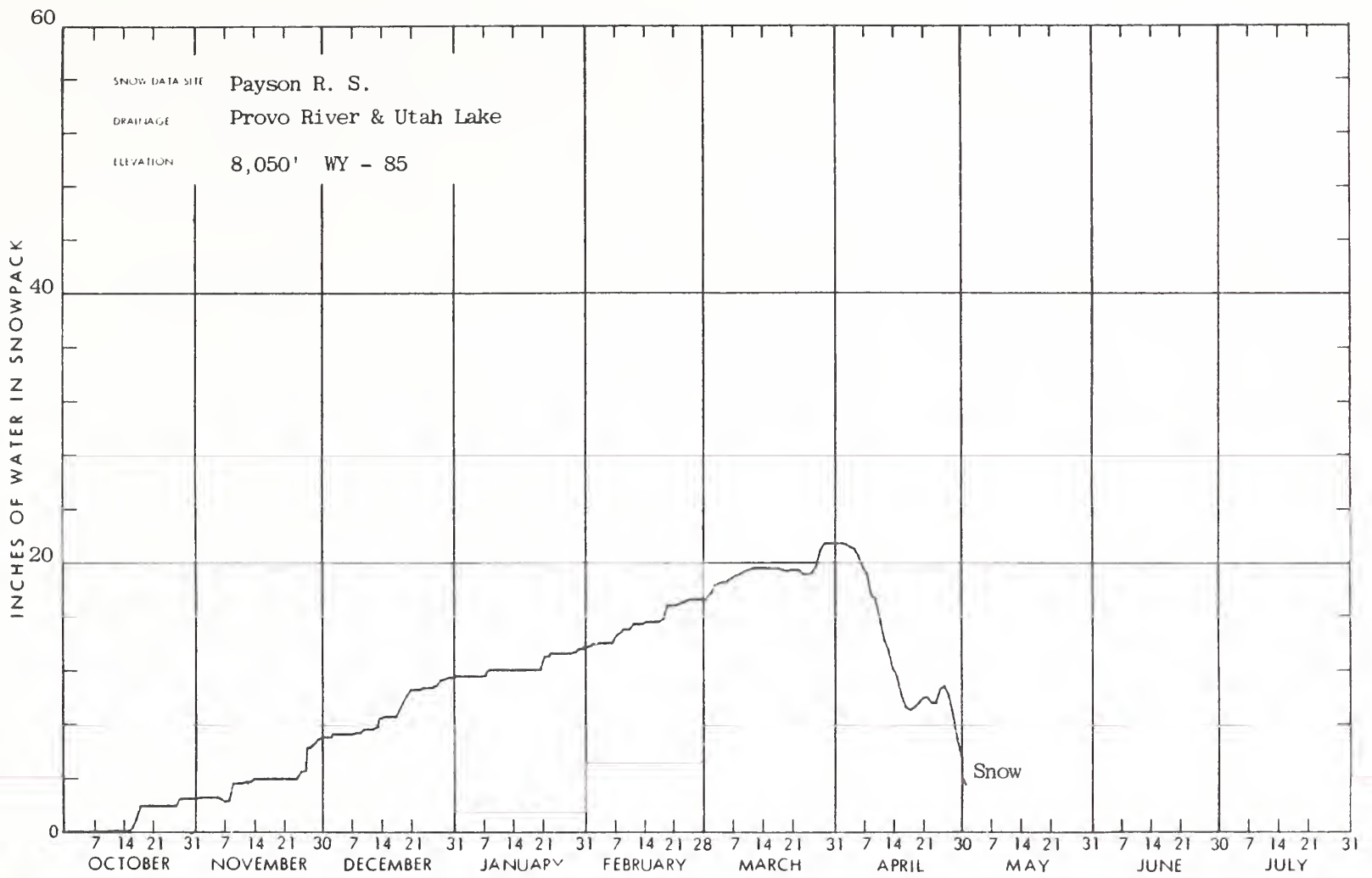


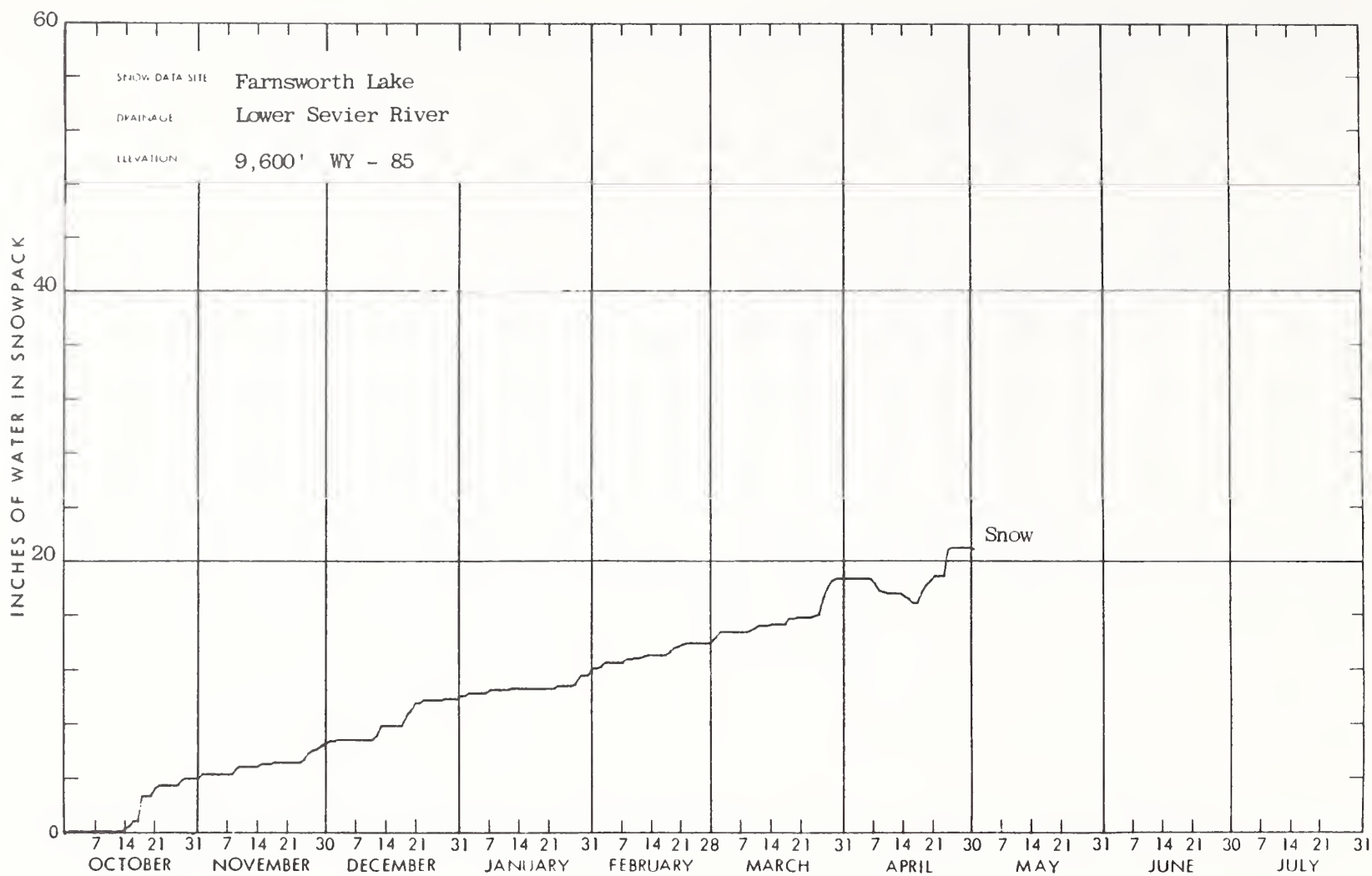




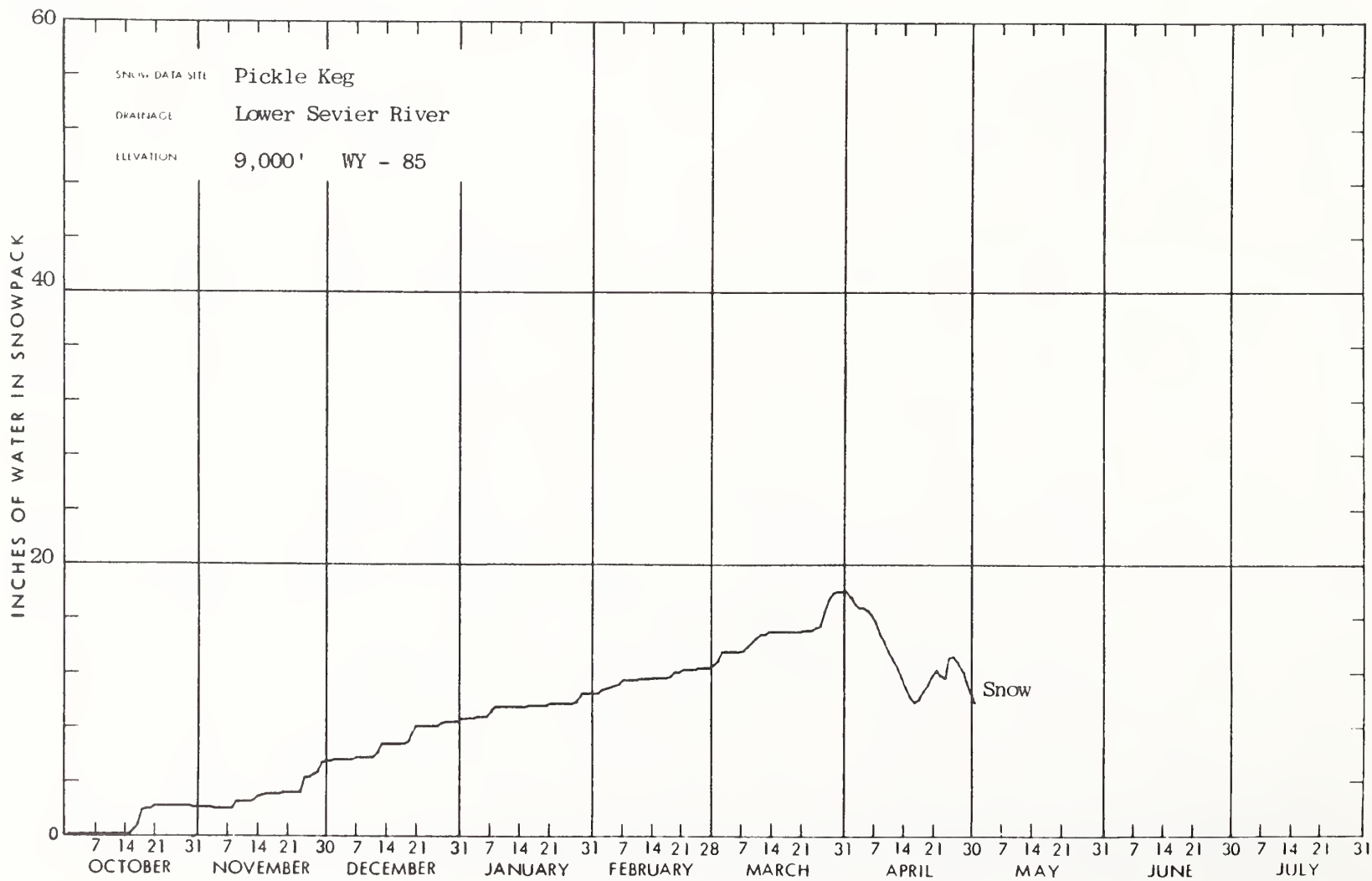
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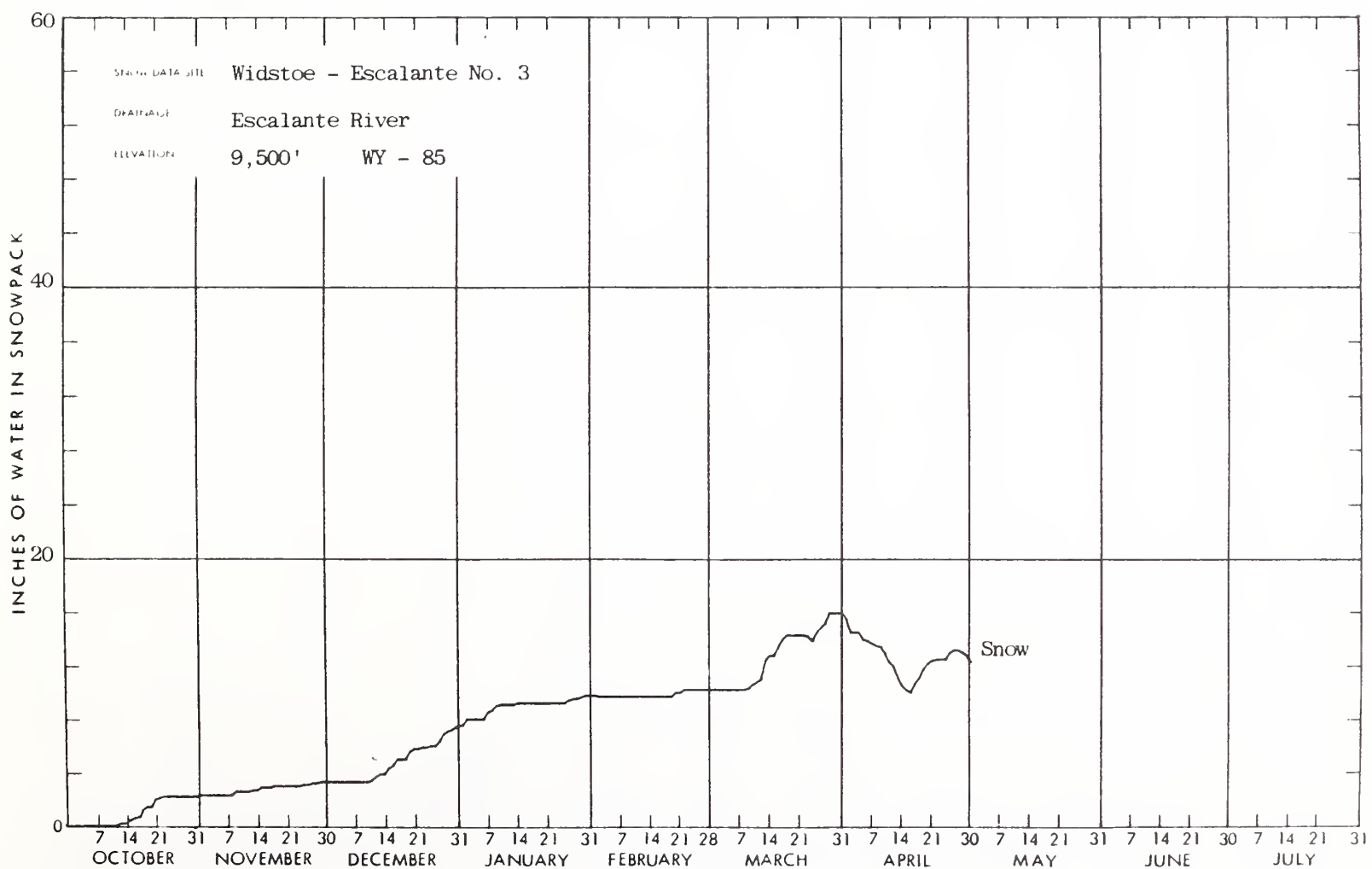
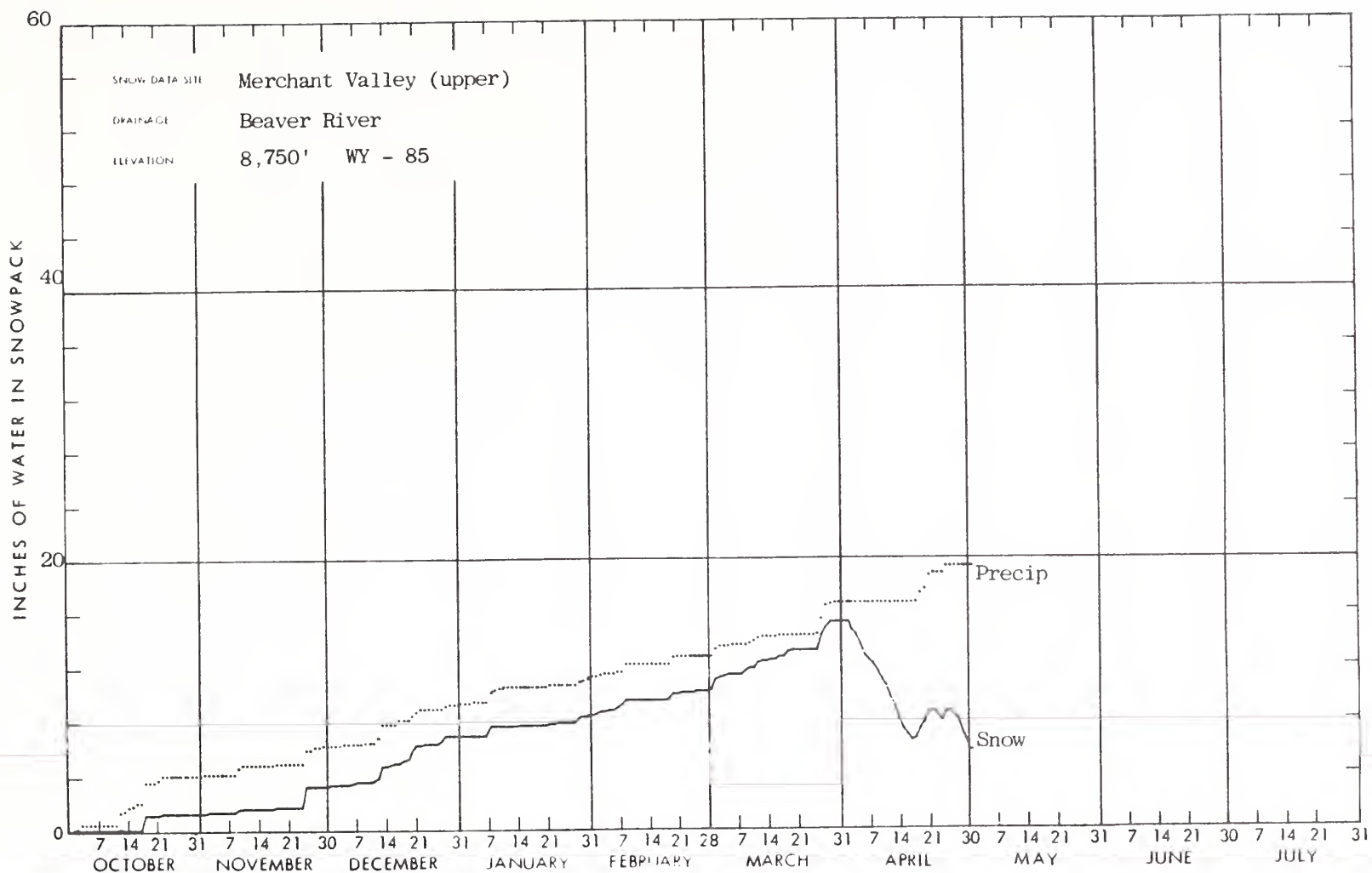


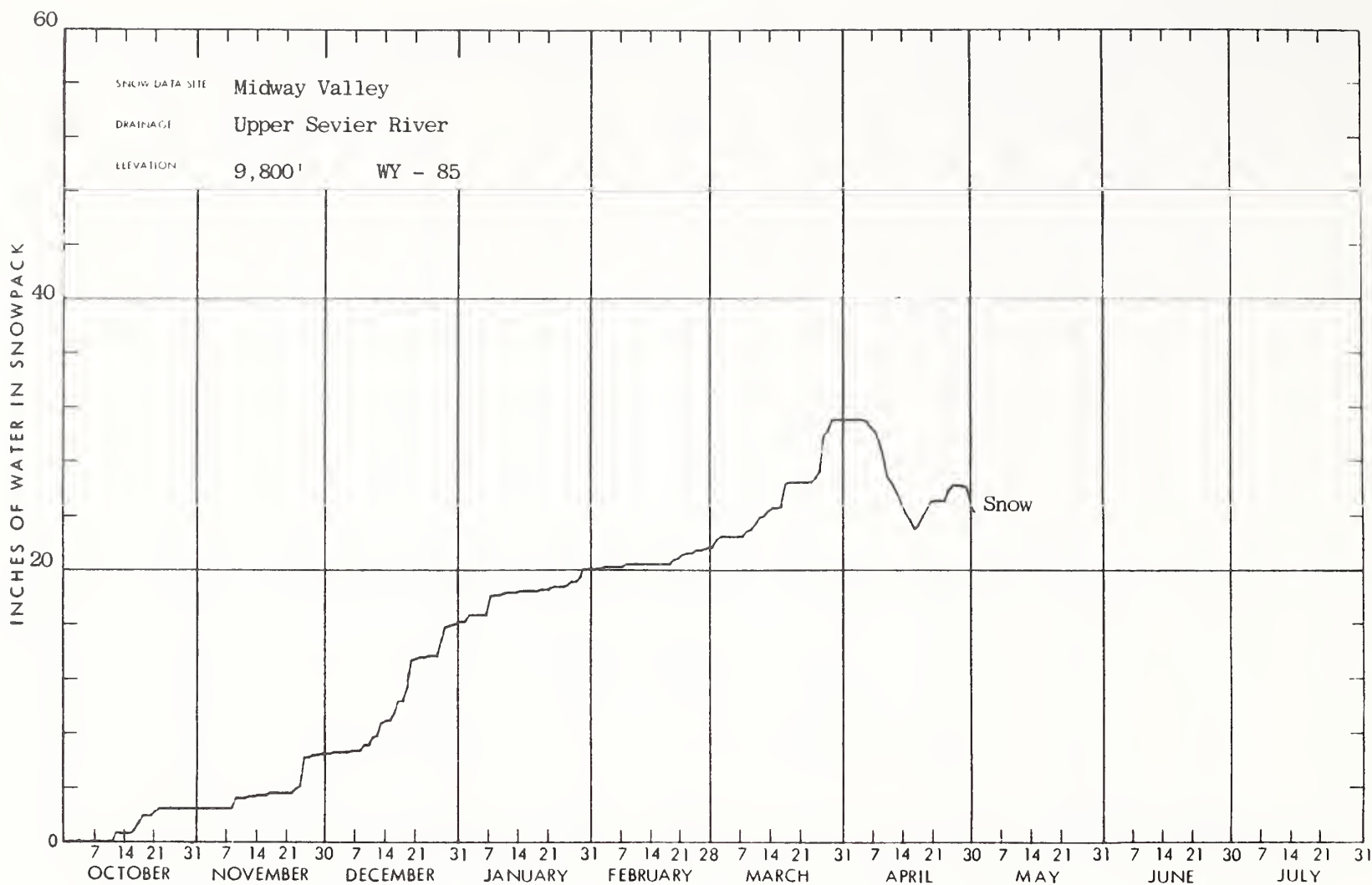




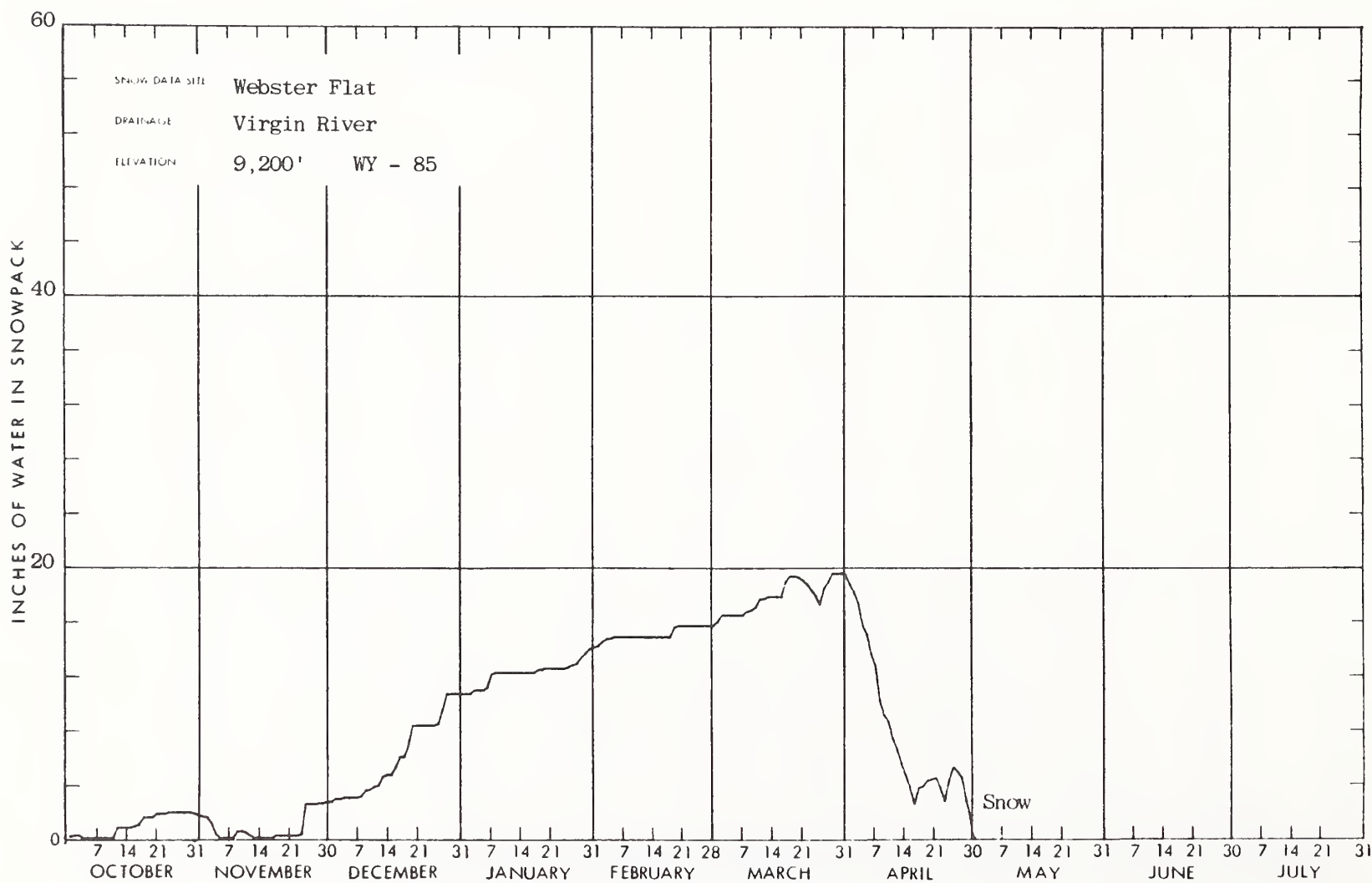
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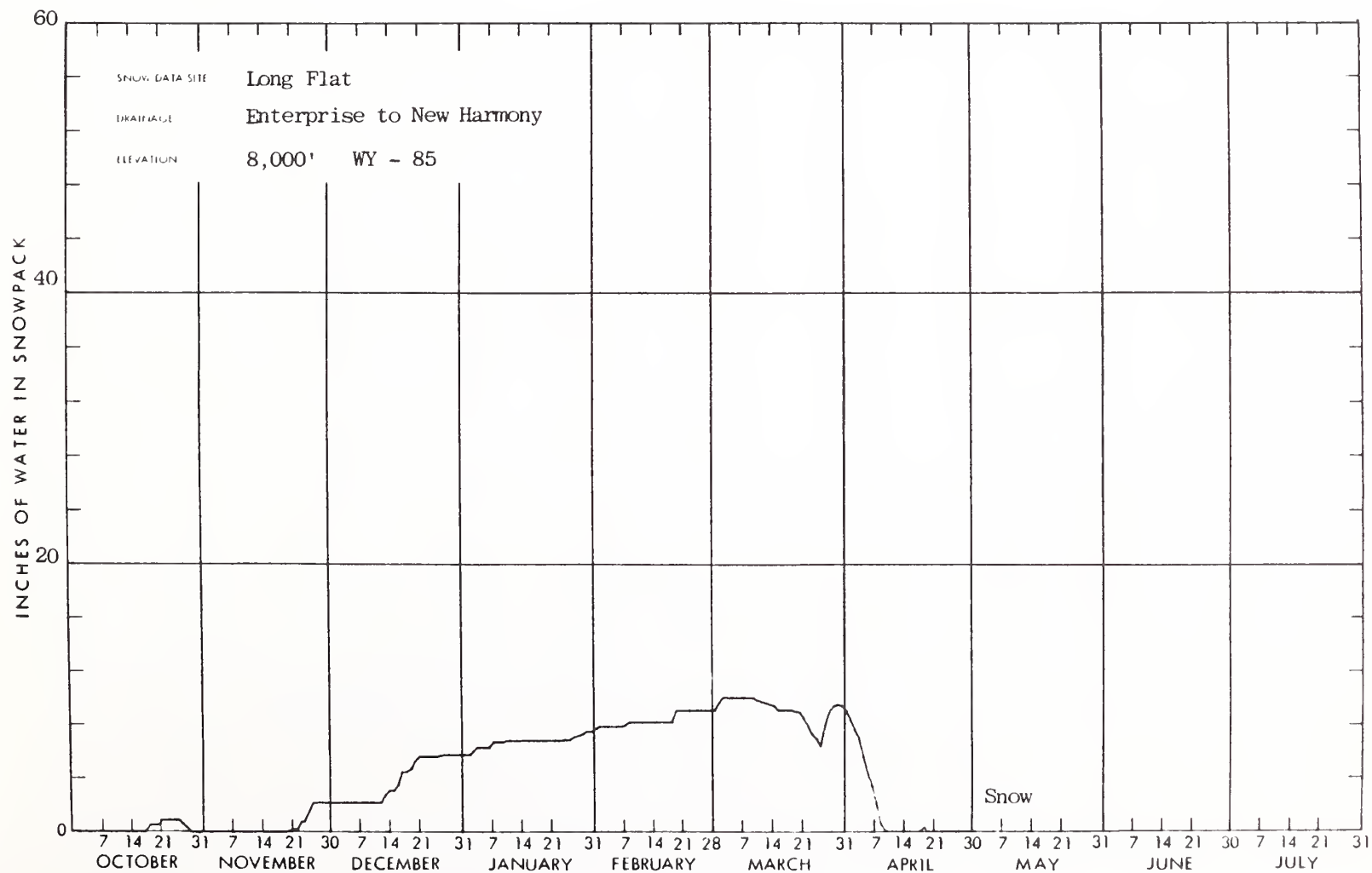
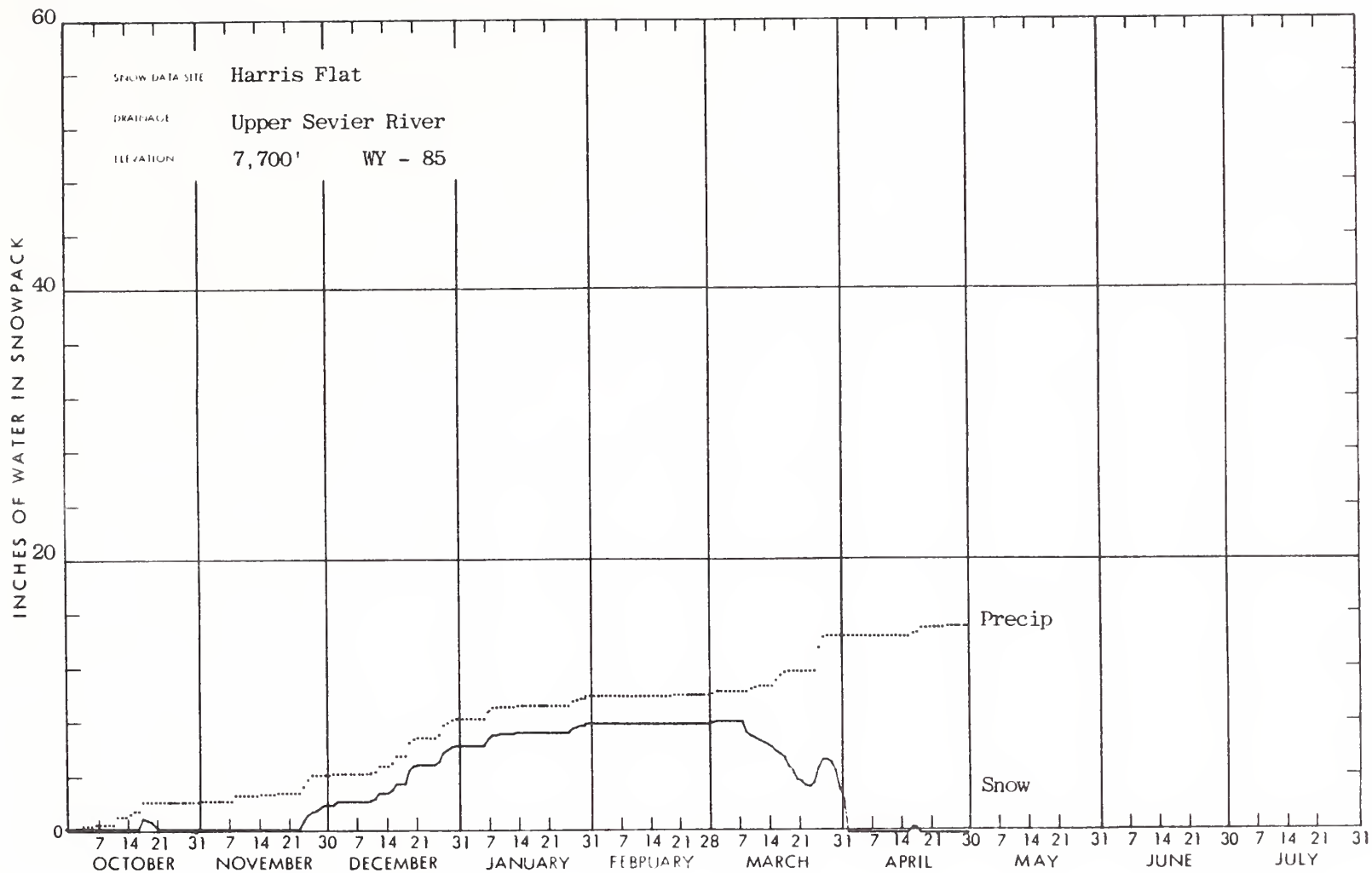






WY 85









INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (above Harer, Idaho)

Big Park  
Burt's-Miller Ranch  
CCC Camp x  
Hobbs  
Kelly Ranger Station  
Lily Lake  
Monte Cristo R. S.  
Poison Meadows x  
Salt River Summit x  
Shiloh Basin x  
Shiloh Camp  
Shiloh Creek

LOWER BEAR RIVER (below Harer, Idaho)

Bug Lake  
Christensen Ranch  
Culberson Mountain  
Culberson Ranger Station  
Dry Basin  
Dry Creek Flat  
Emigrant Summit  
Emigration Canyon (mouth)  
Franklin Basin  
Hartford  
Hobbs  
Horsehoe Basin  
Klondike Narrows  
Liberty Springs  
Little Bear (lower)  
Little Bear (upper)  
Oxford Mountain  
Pine Hollow No. 1  
Sleep Hollow No. 2  
Strawberry Creek  
Strawberry Mink Ovile  
Tony Grove Lake  
Tony Grove Ranger Station  
Willow Flat

RAFT RIVER

Clear Creek Meadows

George Peak

One Mile Summit

Vipont

OGOEN RIVER

Beaver Creek-Skunk Creek

Ben Leonard Peak

Ben Leonard Trail

Ory Bread Pond

Gulder's Peak

Sagebrush Flat

WEBER RIVER

Beaver Creek R. S.

Chalk Creek No. 1

Chalk Creek No. 2

Chalk Creek No. 3

East Shingle Lake

Farmington Canyon (lower)

Francis Canyon (upper)

Francis Canyon

Handscabble

Horse Ridge

Killfoll Creek

Lost Creek

Park City Summit

Pine Canyon

Pine Canyon

Porcupine

Redden Mine (lower)

Sergeant Lakes

Smith & Morehouse

PROVO RIVER & UTAH LAKE

Beaver Creek Divide

Camp Altamont

Clear Creek Ridge No. 1

Clear Creek Ridge No. 2

Cutcherman R. S.

Dutchman R. S.

Hobbs Creek Summit

Lake Creek

Payson R. S.

Soapstone R. S.

South Fork R. S.

Timpanogas Cave Camp

Timpanogas Divide

Trial Lake

JORDAN RIVER & GREAT SALT LAKE

Beaver's Cabin  
Besant Peak  
Lamb's Canyon No. 2  
Lamb's Canyon  
Mili Creek  
Mili D South Fork  
Rocky Basin - Settlement Canyon  
Silver Lake (Brighton)  
Snow Bird (Gad Valley)  
Vernon Creek

UPPER SEVIER RIVER (South of Richfield, Utah)

Box Creek  
Cattle Canyon  
Cattle Valley  
Hickory Creek R. S.  
High-Tip Mountain  
Kimberly Mine  
Midway Valley  
Panguitch Lake  
Squaw Springs

LOWER SEVIER RIVER (including San Pitch River)

Beaver Dam  
Farnsworth Lake  
G. B. R. C. Headquarters  
G. B. R. C. Meadows  
Hickory Creek  
Middle Fork  
Middle R. S. - Cottonwood Creek  
Mt. Baldy R. S.  
Oak Creek  
Pickle Keg Springs  
Pine Creek  
Pine Creek  
Shingle Mill  
Thistle Flat

BEAVER RIVER

Beaver Race Track

Beaver Valley

Merchant's Valley (upper)

Offer Lake

PAROWAN CREEK

Birch Crossing

Chalk Creek

Tail Poles

Yankoe Reservoir

ENTERPRISE TO NEW HARMONY DRAINAGES

Little Grassy Creek

Long Flat

COAL CREEK

Cedar City Golf Course

SUSC Ranch

UPPER GREEN RIVER IN UTAH (above Duchesne River)

Ashley Twin Lakes  
Black's Fork G. S. - E. Fork  
Black's Fork Junction  
Burnt Creek  
Grizzly Ridge  
Henry's Fork  
Hewitta G. S.  
Hickerson Park  
Hole-in-the-Rock  
Hole-in-the-Rock G. S.  
King's Cabin (upper)  
Middle Beaver Creek  
Reynolds Park  
Sprint Lake Park  
St. George  
Trout Creek

COLORADO RIVER DRAINAGE

DUCHESNE RIVER

Atwood Lake  
Brown Duck Ridge  
Chapeta-Whiterocks Lakes  
Current Creek  
Cone-Strawberry Summit  
Five Point Lake  
Indian Canyon  
Jackson Park  
Kidney Lake  
Laketork Basin  
Laketork Mountain  
Lighting Lake  
Masby Mountain  
Paradise Park  
Rock Creek  
Shadow Lake  
Strawberry Divide  
West Fork of the Duchesne

PRICE RIVER

Dry Valley Divide Alternate  
Mud Creek  
White River No. 1  
White River No. 3

SAN RAFAEL RIVER

Buck Flat  
Hobbs Reservoir  
Hobbs Reservoir  
Orange Olsen  
Red Pine Ridge  
Seelye Creek  
Stuart R. S.  
Upper Joe's Valley  
Wigley Creek

MUDDY RIVER

Black's Fork

Dill's Camp

FREMONT RIVER

Black's Flat-U. M. Creek

Donkey Reservoir

Fish Lake

Johnson Valley

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat

Camp Jackson

Lake Mountain

Monticello Park

ESCALANTE RIVER

Widtee-Escalante No. 3

VIRGIN RIVER

Kolob-Crystal

Long Valley Junction

Webster Flat

LEGEND

Numbering System (e.g.ample)  
1017 Snow Course Only.  
1017P Snow Course and Precipitation Gage.  
1017A Snow Course and Aerial Marker.  
1017NA Snow Course, Soil Moisture Station and Aerial Marker.  
1017P Snow Course, Soil Moisture Station and Precipitation Gage.  
1017A Snow Course, Soil Moisture Station and Aerial Marker.  
1017P Storage Precipitation Gage Only.  
1017A Storage Precipitation Gage Only.  
1017P Snow Course, Precipitation Gage, Snow Pillow and Temperature.  
1017A Snow Course, Precipitation Gage, Snow Pillow and Temperature.

# Agencies Cooperating in Utah Snow Surveys

## U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture
  - Soil Conservation Service
  - Forest Service
- U. S. Department of Commerce
  - NOAA, National Weather Service
- U. S. Department of Interior
  - Bureau of Reclamation
  - Geological Survey
  - National Park Service

## STATE AGENCIES

- Utah State University
- Utah State Department of Natural Resources
  - Division of Wildlife Resources
  - Division of Water Resources
  - Division of Water Rights
  - Bear River Commissioner
  - Price River Commissioner
  - Provo River Commissioner
  - Sevier River Commissioners
  - Spanish Fork River Commissioner
  - Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

- Manti
- Salt Lake City

## ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Central Utah Conservancy District
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association
- Weber River Water Users Association
- Weber Basin Conservancy District

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supply, hydro-electric power  
generation, navigation,  
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with the Snow Survey"*